

NORM - THIS WELL
PERSS 41 OF THE
GRRU

IS THAT ENOUGH
TO GO GR-WS WITH
THIS / PZ? 2-23-

from completion date
U

2-23

Cotton Petroleum Corporation

A United Energy Resources, Inc. Company

750 Ptarmigan Place/3773 Cherry Creek Drive North/Denver, CO 80209/(303) 355-0101



November 21, 1983

Division of Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, UT 84114

Attn: Ron Firth

Dear Ron:

We are sending this application without the plats. Uintah Engineering is sending you the plats under separate cover.

If you need any further information, please contact Glenn Garvey at 303-355-0101.

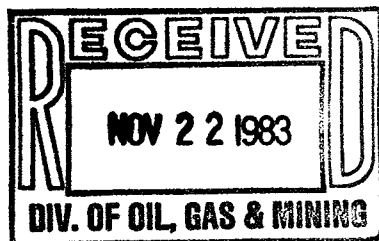
Sincerely,

COTTON PETROLEUM CORPORATION

A handwritten signature in cursive script that reads "Teri Greenhalgh".

Teri Greenhalgh
Engineering Technician

tg



(Other instructions on
reverse side)THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 40904
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTED OR TRIBE NAME
2. NAME OF OPERATOR Cotton Petroleum Corporation		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 3773 Cherry Creek Drive No. #750, Denver, CO 80209		8. FARM OR LEASE NAME State
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 695' FWL 605' FSL, Section 16 At proposed prod. zone		9. WELL NO. 14-16
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 miles south of Vernal		10. FIELD AND POOL, OR WILDCAT Brennan Bottoms ✓
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 16 T7S R21E
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Uintah
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE Utah
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 4709'		22. APPROX. DATE WORK WILL START* 12-15-83

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	250'	Circ to Surface
7-7/8"	5-1/2"	15.5#	6900'	990 sxs poz mix

Drill 6821' Wasatch-Green River Test, drill 11" hole to 250' with native brine water to clean hole using a dry hole digger, circulate cement to surface, RD, WORT, RU Shelby Rig #53. Pressure test casing and BOP to 70% of casing yield (2065 psig) before drilling out. Test BOP operation daily and record. Drill 7-7/8" hole to 6821'. Mud wt will be 8.3 to 9.0 ppg. Evaluate hole by sample analysis and electric logs. Run 5-1/2" casing if commercial well is expected. Cement in 2 stages with DV tool at 4000', with adequate cement to cover Green River Oil Shales. For additional information, if required, contact Glenn Garvey at 303-355-0101.

Water rights approval has been applied for.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE Division Production Manager DATE 11-18-83

(This space for Federal or State office use)

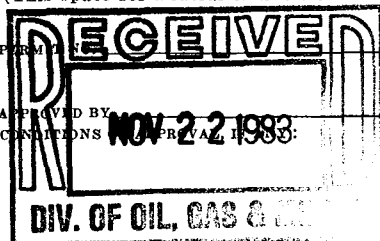
PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS

TITLE

DATE



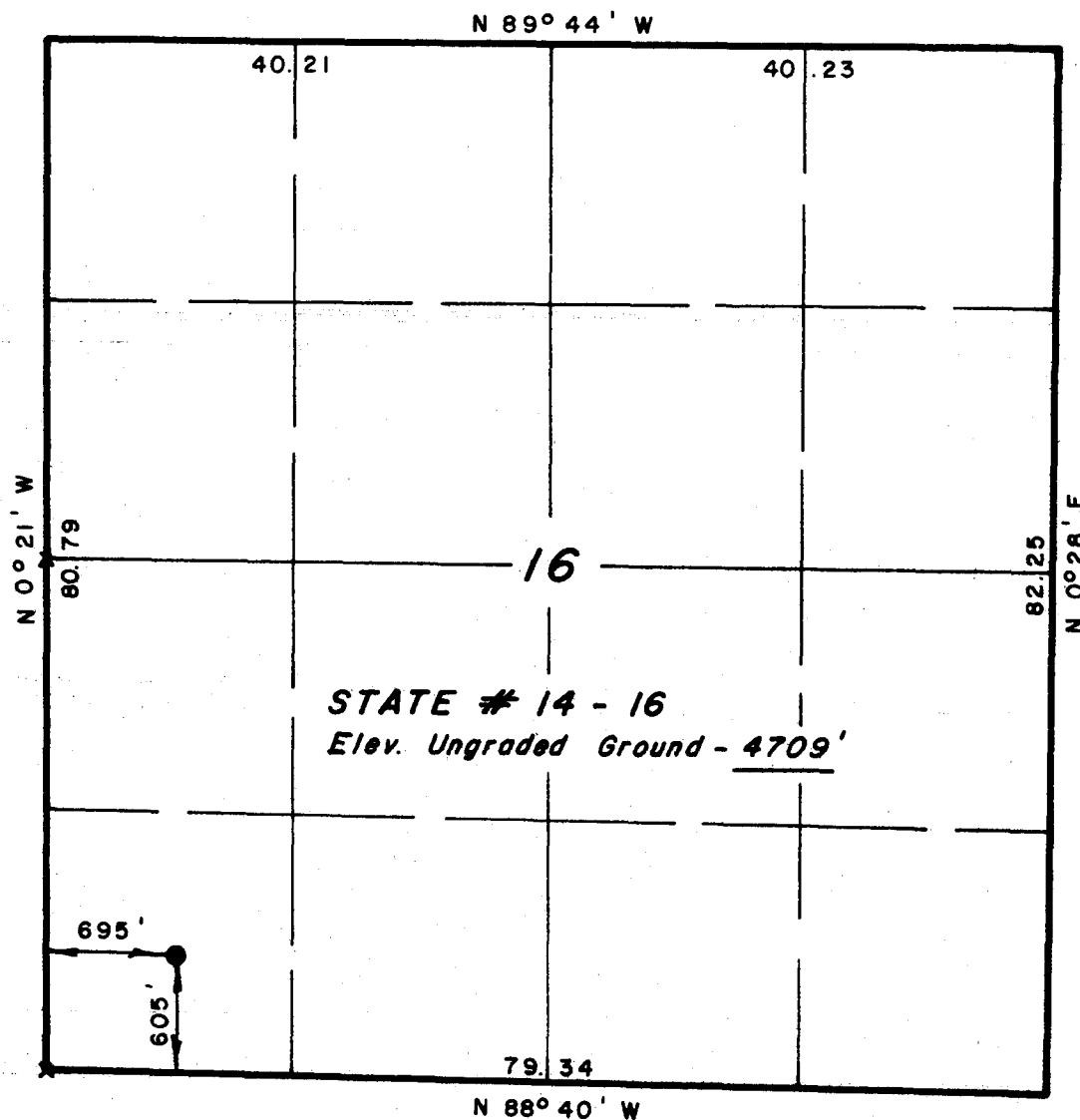
*See Instructions On Reverse Side

11-29-83

T 7 S, R 21 E, S.L.B.&M.

PROJECT
COTTON PETROLEUM CORP.

Well location, STATE #14 - 16,
located as shown in the SW1/4
SW1/4, Section 16, T 7 S, R 21 E,
S.L.B.&M., Uintah County, Utah.



X = Section Corners Located

RECEIVED
NOV 22 1983

DIVISION OF
OIL, GAS & MINING



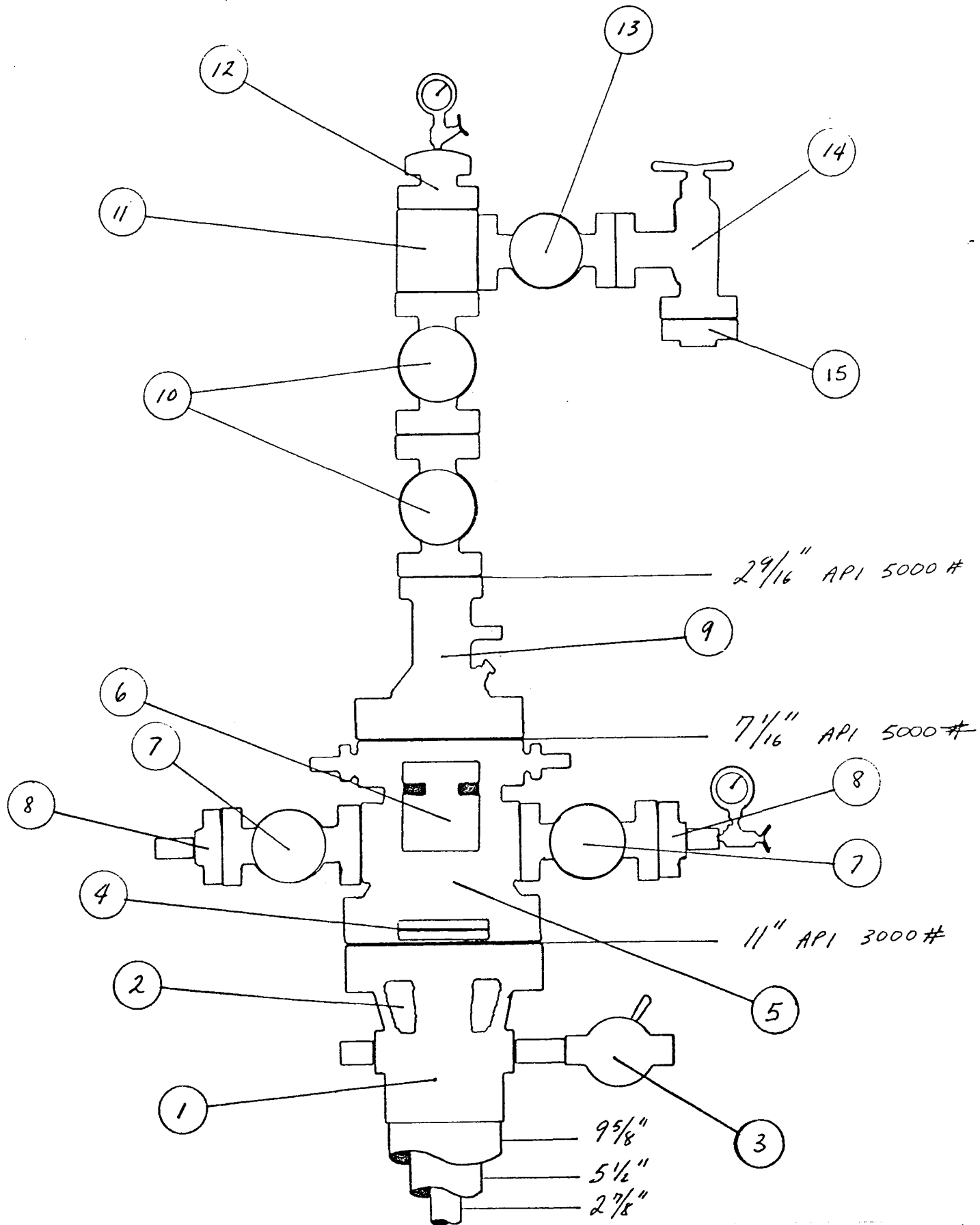
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 5709
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 11/11/83
PARTY RK, JF JH	REFERENCES GLO PLAT
WEATHER FAIR	FILE COTTON



ATTACHMENT 1

1. Lowermost casing head, 9-5/8" slip-on bottom x 11" API 3000# flanged top
2. Casing hanger for 5-1/2" casing
3. Ball valve, API 3000#, 2" LP
4. Secondary seal for 5-1/2" casing
5. Tubing head, 11" API 3000# flanged bottom x 7-1/16" API 5000# flanged top w/two 2-1/16" S.S.O.
6. Tubing hanger for 2-7/8" tubing
7. Gate valve, 2-1/16" API 5000#
8. Companion flange, 2-1/16" API 5000#, bull plug, 2" LP
9. Tubing head adapter w/nipple, 7-1/16" API 5000# flanged bottom x 2-9/16" API 5000# studded top
10. Automatic self-sealing gate valves, API 5000#, 2-9/16" flanged ends
11. Studded tee, 2-9/16" x 2-9/16" x 2-1/16", API 5000#
12. X-mas tree top, bottom hole test adapter 2-9/16" 5000#
13. Automatic self-sealing gate valve, 2-1/16", API 5000#
14. Choke, adjustable, 2-1/16" 5000#
15. Companion flange, API 5000#, 2-1/16"

COTTON PETROLEUM CORP.

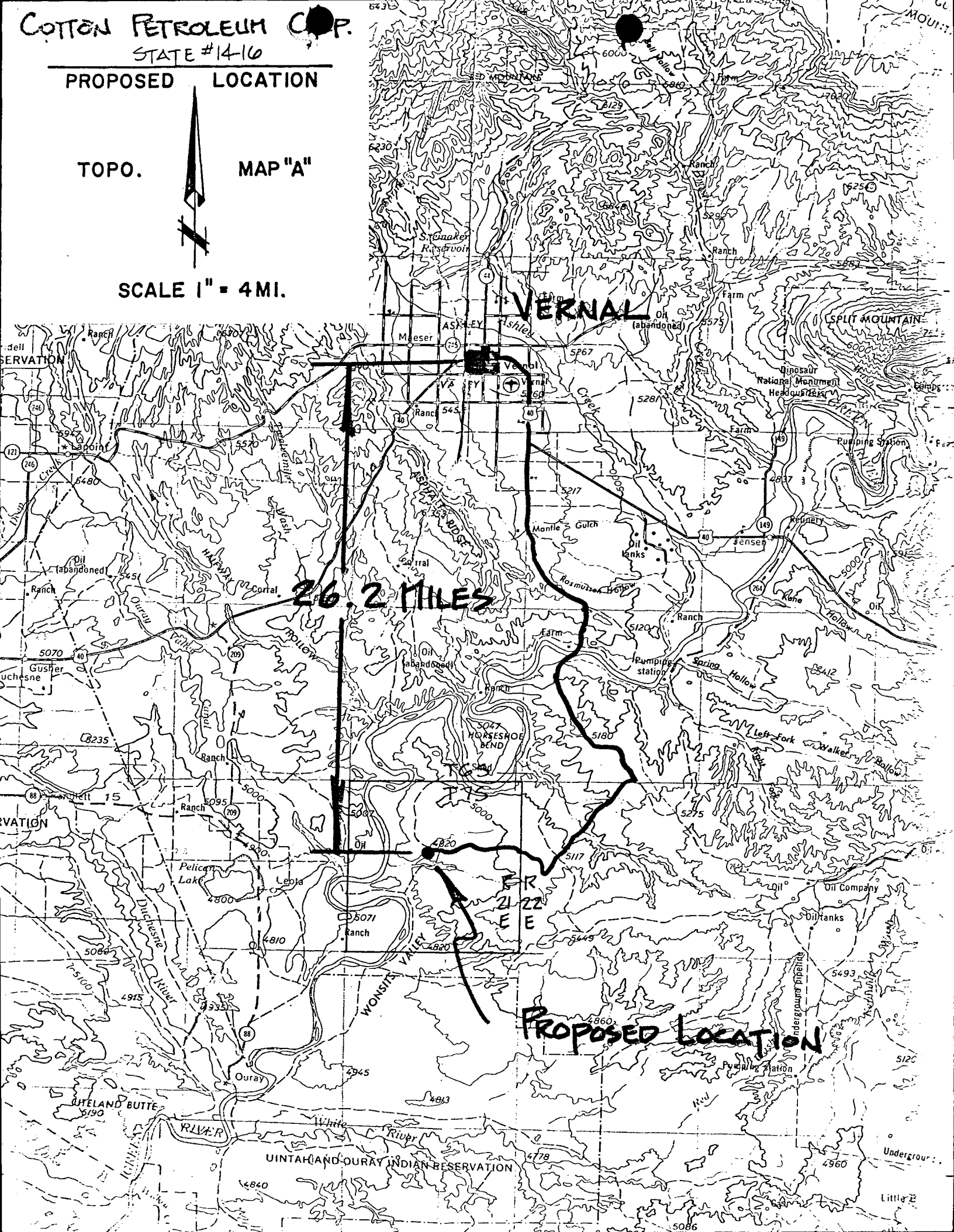
STATE #1416

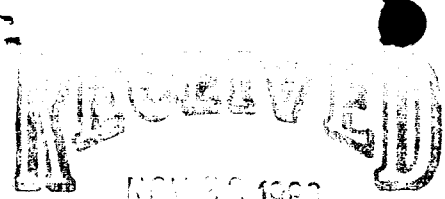
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.





COTTON PETROLEUM CORP.

NOV 20 1983

DIVISION OF
OIL, GAS & MINING

STATE # 14-16

SCALE: 1" = 50'
DATE: 11/11/83

El. 4707.74

El. 4708.64

El. 4708.04
F-1.05

El. 4708.24
F-0.85

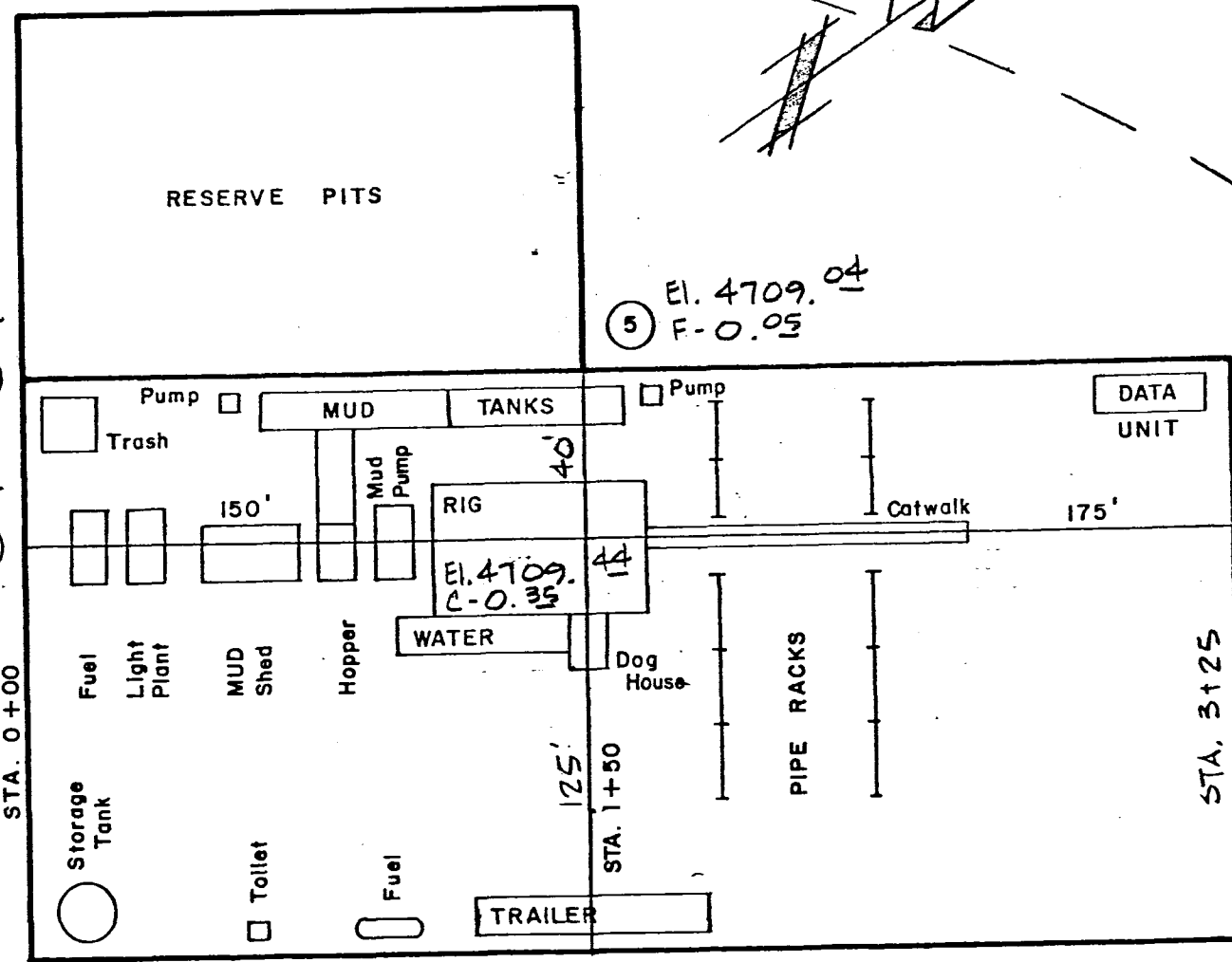
El. 4707.74
F-1.35

El. 4708.74
F-0.35

El. 4709.84
C-0.75

El. 4710.64
C-1.55

El. 4710.34
C-1.25

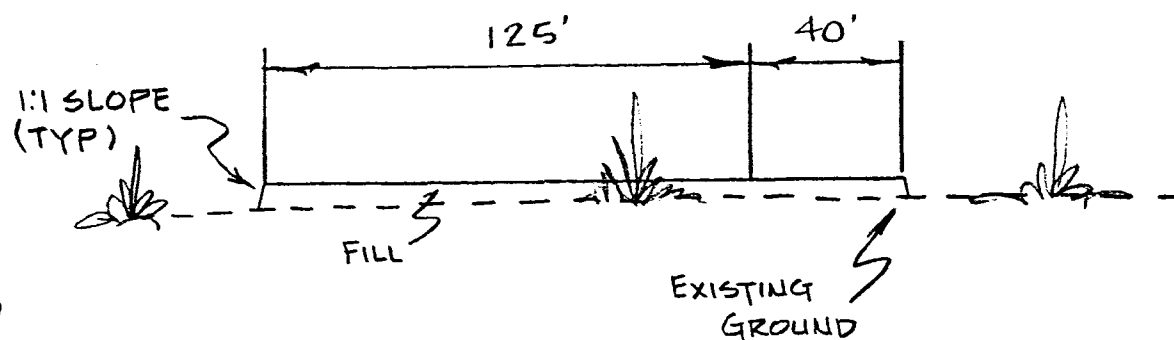


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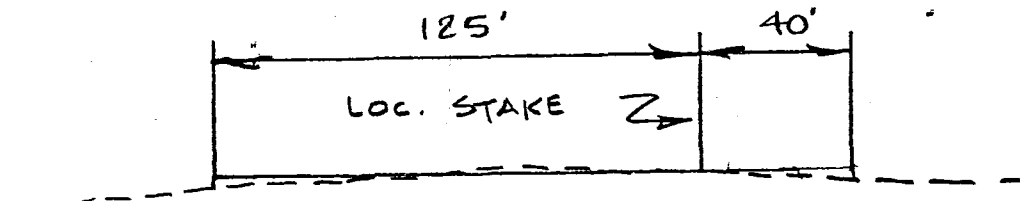
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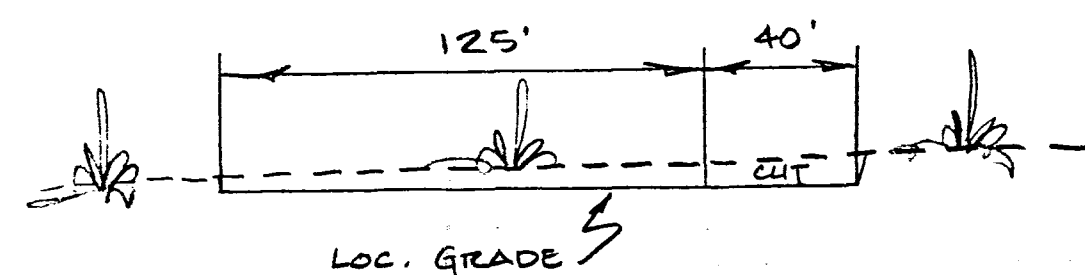
STA. 0+00



STA. 1+50

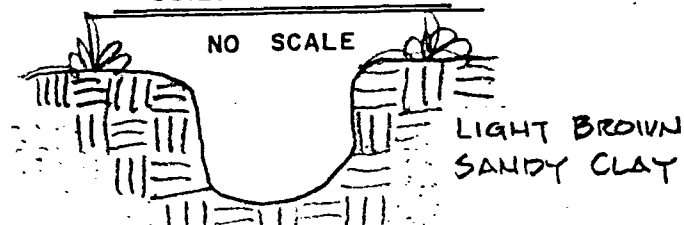


STA. 3+25

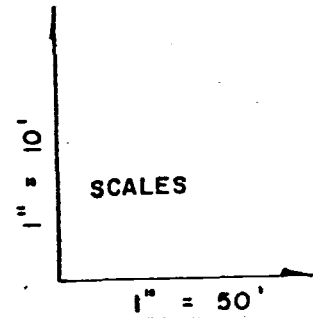


SOILS LITHOLOGY

NO SCALE

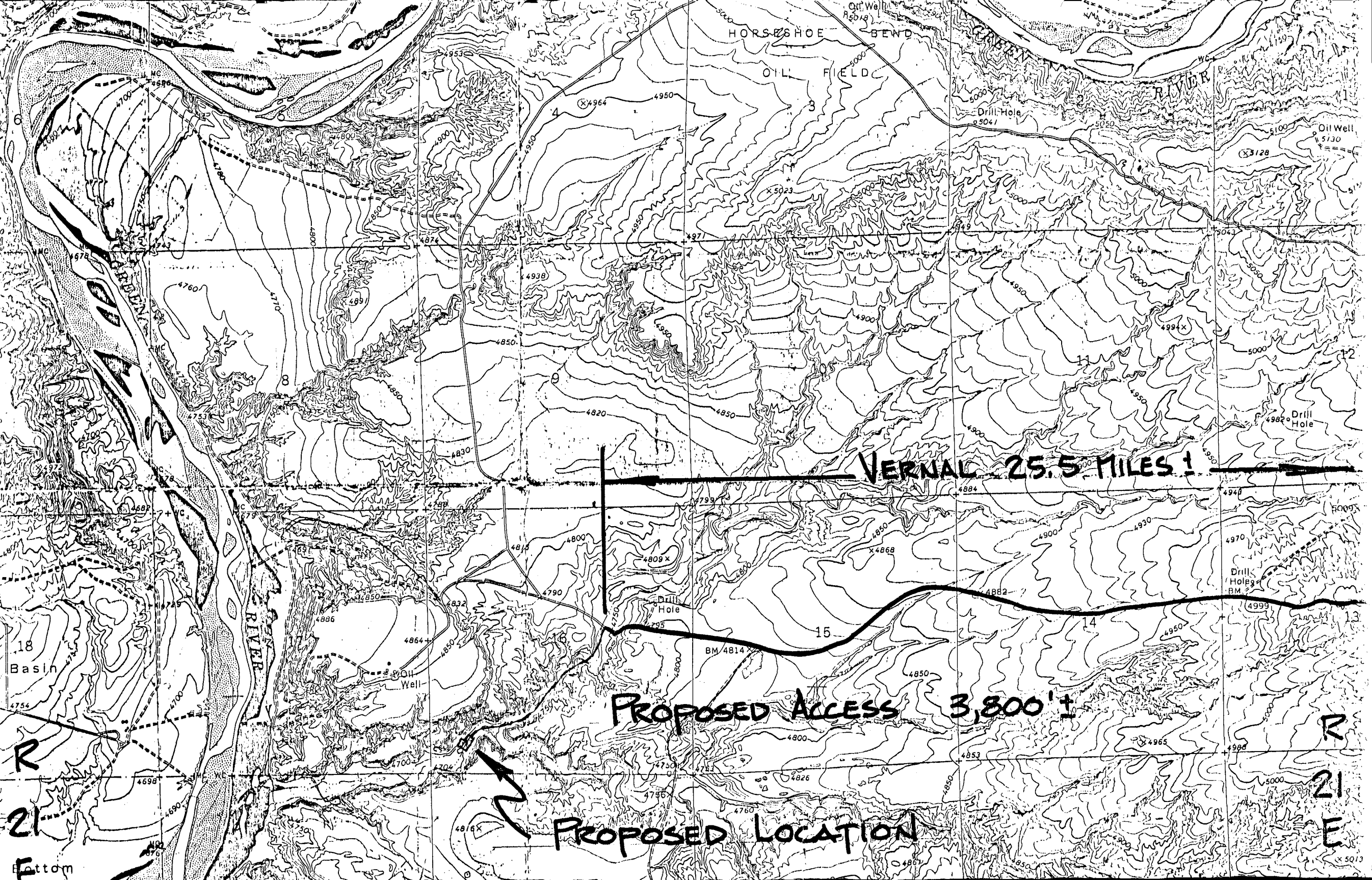


DRAINAGES TO BE REROUTED
AROUND LOCATION



APPROXIMATE YARDAGE

CU. YARDS CUT - 728
CU. YARDS FILL - 591
LOSSES AT 20% - 118
UNBALANCE OF - 19 CU. YARDS CUT



HORSESHOE BEND
OIL FIELD

ADAM RIVER

VERNAL 25.5 MILES

PROPOSED ACCESS 3,800'±

PROPOSED LOCATION

Basin

R

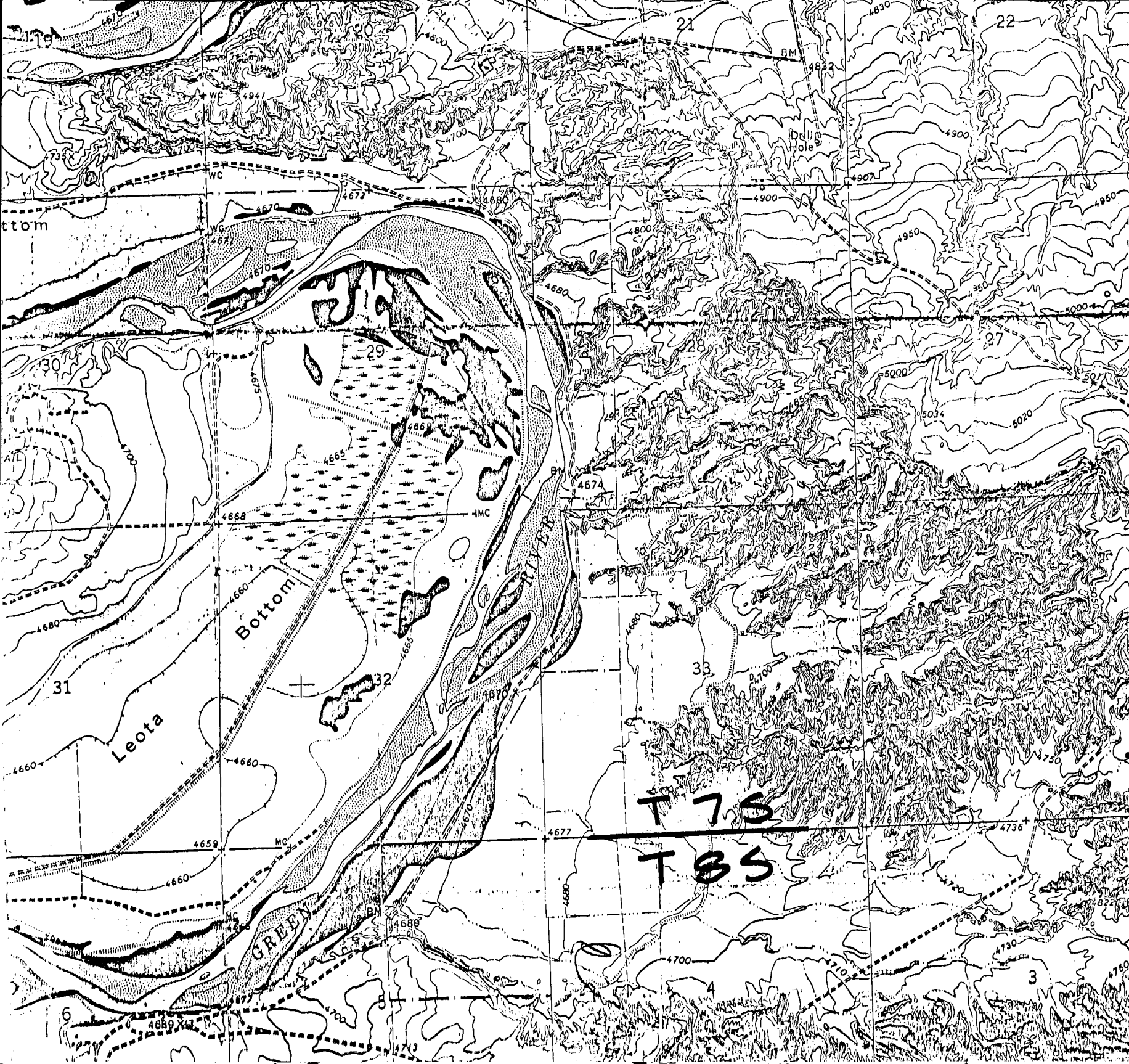
21

Bottom

R

21

E



COTTON PETROLEUM CORP.

STATE # 14-16

PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, Improved surface Unimproved road fair or dry weather

UTAH

QUADRANGLE LOCATION

OPERATOR COTTON PETROLEUM CORP DATE 11-22-83

WELL NAME STATE 14-16

SEC SW SW 16 T 7S R 21E COUNTY UINTAH

43-047-31419
API NUMBER

STATE
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NID

☐☐

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'

WATER OK

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-29-83

BY: [Signature]

✓ CHIEF PETROLEUM ENGINEER REVIEW:

11/29/83 ✓

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION

☐ VERIFY ADEQUATE AND PROPER BONDING *NO BOND AS OF 11-22-83
AS PER GAIL PRINCE
OK 11-23*

☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

☐ APPLY SPACING CONSIDERATION

☐ ORDER _____

☐ UNIT _____

☒ c-3-b

☐ c-3-c

EX _____
DATE _____
OUTSTANDING MINING
OR OIL SHALE DIVISION OF
APPROVED BY THE STATE

☒ CHECK DISTANCE TO NEAREST WELL.

☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

November 29, 1983

Cotton Petroleum Corporation
3773 Cherry Creek Drive, NMrth, #750
Denver, Colorado 80209

RE: Well No. State 14-16
SWSW Sec. 16, T. 7S, R. 21E
605' FSL, 695' FWL
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31417.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: State Lands
Encl.

November 16, 1983

Division of Oil, Gas, and Mining
4241 State Office Bldg
Salt Lake City, Utah 84114

Re: State 14-16
SWSW Sec 16 T7S-R21E
Uintah Co. Utah
NTL-6 Information

1. Surface Formation: Tertiary/Uintah
2. Estimated Tops:

Green River:	3172
Wasatch Tongue:	6571
Wasatch:	6684
TD:	6821
3. Estimated depth of fluids or hydrocarbons:

a. surface waters:	above 1000'
b. Green River:	oil shale and oil
c. Wasatch Tongue:	oil and gas
d. Wasatch:	oil and gas
4. Surface Casing: Approximately 250' of 8 5/8-24#-K55 new casing will be set with cement circulated to surface.

Long String of Casing: 5 1/2-15.5#-K55 new casing will be set and cemented with a total of 990 sx of Poz Mix cement in two stages. The stage tool will be set at 4000'
5. Wellhead Equipment (See Attachment #1)
 - a. 3000# W.P., 6000# test series, 900 casing head and double ram blow-out preventer.
 - b. Nominal 10" casing head and blow-out preventer with 10" flanges.
 - c. See Attachment #1 for 2" fill-up flare line hookup.
 - d. Pressure test wellhead, blow-out preventer, and surface casing to 2065 psig for 30 minutes with maximum 100 psig loss of pressure prior to drilling out from under surface casing.
 - e. Test operate pipe rams once each twenty-four hours and both pipe rams and blind rams each trip out of hole, and record on driller's tour report.

6. Drilling Fluids:

- a. surface Hole: Fresh water, wt 8.3 - 8.7, vis 27-30
- b. Under Surface to 6000': Fresh water, wt 8.4 - 8.8, vis 27-30
- c. 6000'-6821': Fresh water with additives to obtain the following properties, wt 8.8 - 9.0, Vis 35-40, WL 10-15
- d. 400 barrel steel surface pits.
- e. No formation gradient higher than 0.45 psi per foot is expected.

7. Auxiliary Equipment:

There will not be any auxiliary equipment installed.

8. Testing and Logging:

All potential reservoirs listed in "3" above will have drill cuttings and mud examined by a wellsite geologist for shows of oil and gas. An electric logging program of GR-DLL-MSFL, GR-FDC-CNL, surface casing to TD will be run for depth control of all formations, porosity, and saturation determinations. Completion attempt will be made in the Wasatch Tongue of the Green River with a fracture stimulation consisting of 35,000 gallons Gelled water and 90,000 lbs 20/40 sand.

9. Pressure and Temperatures:

No abnormal pressures or temperatures have been encountered in nearby wells. No hydrogen sulfide has been found in daily mud checks or produced fluids.

10. The well will be started on 12/5/83 and will require two weeks for drilling plus required time for evaluation of potential reservoirs (testing, logging) and any difficulties encountered by the drilling rig.

Sincerely,

D.E.Wood
Division Production Manager
Cotton Petroleum Corporation

~~1- no plat yet~~

~~2- needs bond~~

as per Glenn 11-22-83

Yorin

bond ok as of 11-23-83 ✓

as per Phil

Yorin

Water OK
all

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: COTTON PETROLEUM

WELL NAME: STATE 14-16

SECTION SWSW 16 TOWNSHIP 7S RANGE 21E COUNTY Uintah

DRILLING CONTRACTOR Shelby Drilling

RIG # 53

SPUDDED: DATE 12-13-83

TIME 1:00 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Don Meacham

TELEPHONE # 789-4728

DATE 12-14-83 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. ML 40904
Communitization Agreement No. _____
Field Name _____
Unit Name _____ State _____
Participating Area _____
County Uintah State Utah
Operator Cotton Petroleum Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of December, 19 83

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
14-16	SWSW 16	7S	21E	Spud 12-6-84, drl to 273' using Ram Air Drill, hole caved in, set 58' of conductor pipe, re drill to 274' using Shelby Rig #53, set 8-5/8" 24# csg, cmt w/180 sxs cmt, continue drilling, attempt DST, cancel due to hole problems, continue drilling to 5837'					
									FEB 27 1984

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: 3773 Cherry Creek Dr., No, Den, CO 80209
Title: Division Production Manager Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. ML 4884
Communitization Agreement No. _____
Field Name _____
Unit Name _____ State _____
Participating Area _____
County Uintah State Utah
Operator Cotton Petroleum Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of January, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
14-16	SWSW 16	7S	21E						Continue drilling to TD 6934', ran logs, ran 4-1/2" csg set at 6931', cmt w/985 sxs cement, release Shelby Rig #53 on 1-13-84
									MIRUCU, Gibson Rig #83, ran 2-3/8" tbg, perf w/1 JSPF 6609', 11, 32', 37', 39', 41', 44', 87', 89', 6750', 52', 6823', 26', 29', 32', 35', 51', 53', 58', 60', 62', total 21 holes, acidize and frac well
									FEB 27 1984

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLS)	Gas (MCF)	Water (BBLS)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: 3773 Cherry Creek Dr. N. Den, CO 80209
Title: Division Production Manager Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

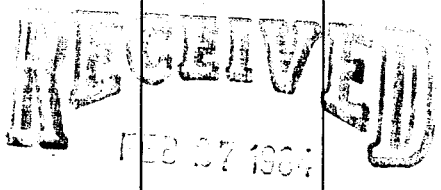
MONTHLY REPORT
OF
OPERATIONS

Lease No. ML 4090
Communitization Agreement No. _____
Field Name _____
Unit Name _____ State _____
Participating Area _____
County Uintah State Utah
Operator Cotton Petroleum Corporation
☐ Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 1984

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
14-16	SWSW 16	7S	21E	Ran pump and		rods, prepare well for			production
 DIVISION OF OIL, GAS & MINING FEB 27 1984									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: [Signature] Address: 3773 Cherry Creek Dr. N, Den, CO 80209
Title: Division Production Manager Page 1 of 1

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

RECEIVED
MAY 6 1964

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number State 14-16

Operator Cotton Petroleum Corporation Address 3773 Cherry Creek Drive No. #750
Denver, CO 80209

Contractor Shelby Drilling Company Address 5350 S. Roslyn Suite 300
Englewood, CO 80111

Location SW 1/4 SW 1/4 Sec. 16 T. 7S R. 21E County Uintah

Water Sands This well was drilled with a 9.2 to 9.5 ppg drilling mud, there were not any apparent water flows.

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	None		
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR
7773 Cherry Creek Drive No., Suite 750, Denver, CO 80209

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 695' FWL 605' FSL, Section 16
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-047-31417 DATE ISSUED Nov 22, 1984

12. COUNTY OR PARISH Uintah 13. STATE Utah

5. LEASE DESIGNATION AND SERIAL NO. ML 40904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME State

9. WELL NO. 14-16

10. FIELD AND POOL, OR WILDCAT Brennan Bottoms

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 16 T7S R21E

15. DATE SPUNDED 12-6-83 16. DATE T.D. REACHED 1-10-84 17. DATE COMPL. (Ready to prod.) 2-13-84 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4724' KB 4709' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6934' 21. PLUG, BACK T.D., MD & TVD 6901' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY X ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6609'-6862' Green River 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE-ELECTRIC AND OTHER LOGS RUN CNL-XDC-GR, DEEP GR, cmt bond log 27. WAS WELL CORDED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	274'	12-1/4"	180 sxs Class H	
4-1/2"	10.5#	4720'	7-7/8"	985 sxs cmt - 2 stages	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6597.36'	-

31. PERFORATION RECORD (Interval, size and number)

6609', 11', 32', 37', 39', 41', 44', 87'
89', 6750', 52', 6823', 26', 29', 32',
35', 51', 53', 58', 60', 62'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6609-6862'	Brk dwn fm w/36 bbls 3% KCl
6609-6862'	frac w/42,000 gal gel, 15,000# sd

33.* PRODUCTION

DATE FIRST PRODUCTION 2-18-84 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 2-20-84 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD 80 OIL—BBL. 80 GAS—MCF. - WATER—BBL. 25 GAS-OIL RATIO -

FLOW. TUBING PRESS. 12 CASING PRESSURE CALCULATED 24-HOUR RATE 80 GAS—MCF. - WATER—BBL. 25 OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Oil sold, gas used on lease TEST WITNESSED BY Dusty Mecham

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE Division Production Mgr.

DATE March 5, 1984

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Uintah	surface					
Uintah Sands	2410'					
Green River	3319'					
Wasatch Tongue	6613'					
Wasatch	6726'					
TD	6934'					



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 22, 1984

Cotton Petroleum Corporation
3773 Cherry Creek Drive No #750
Denver, Colorado 80209

RE: Well No. State 14-16
API #43-047-31417
695' FWL, 605' FSL SW/SW
Sec. 16, T. 7S, R. 21E.
Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office March 5, 1984, on the above referred to well, indicates the following electric logs were run: Cement Bond Log. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones
Well Records Specialist

CJ/cj

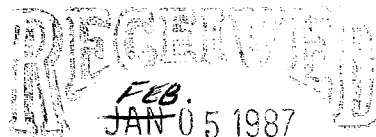
cc: Dianne R. Nielson, DOGM
Ronald J. Firth, DOGM

89260



303/831-6500

February 3, 1987



DIVISION OF
OIL, GAS & MINING

020918

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Dianne R. Nielson, Director

Re: Sundry Notice - Change of Operator
#14-16 State
Brennan Bottom
Uintah County, UT

Gentlemen:

Submitted in triplicate, please find Sundry Notice indicating a Change of Operator from Cotton Petroleum Corporation to Apache Corporation, effective November 1, 1986, regarding the referenced well.

Upon approval, please furnish us a copy of the approved form.

Thank you for your consideration.

Yours very truly,

Apache Corporation

A handwritten signature in cursive script that reads "Sally A. Woodruff".
Sally A. Woodruff
Contract Landman

SAW/es

Enclosure

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Apache Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
3. ADDRESS OF OPERATOR 1700 Lincoln, #4900, Denver, CO 80203-4549		7. UNIT AGREEMENT NAME NA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 695 FWL, 605 FSL		8. FARM OR LEASE NAME State	
14. PERMIT NO. 43-047-31417		9. WELL NO. 14-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Brennan Bottom	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec 16 T7S R21E	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Change of Operator		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Change of Operator from Cotton Petroleum Corporation to Apache Corporation,
effective November 1, 1986.

RECEIVED
FEB.
JAN 05 1987

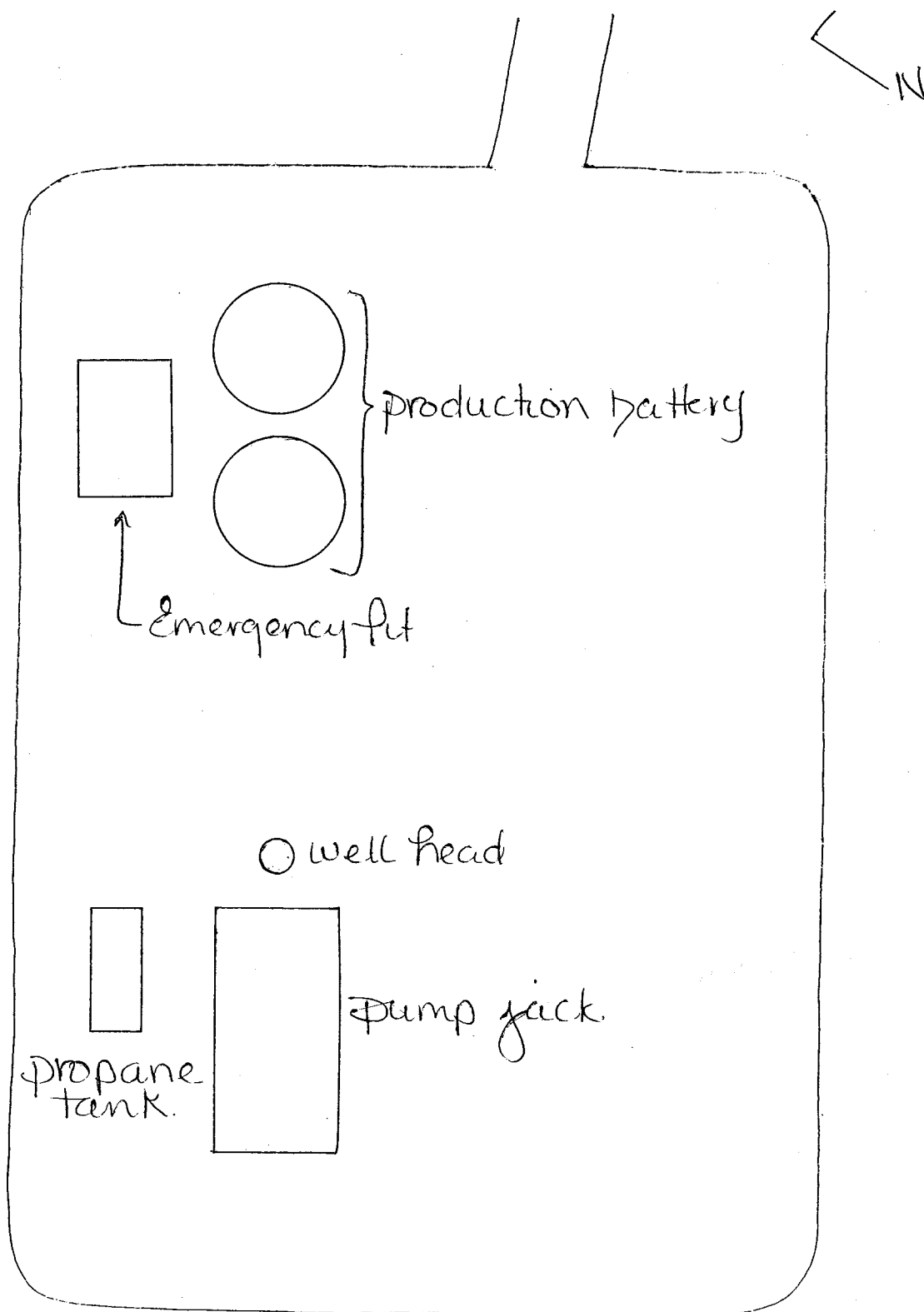
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Mertz TITLE Land Manager DATE January 30, 1987
Charles E. Mertz
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

State 14-16 Sec 16, TFS, R 21E Publy 3/22/89



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
On "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. LEASE DESIGNATION AND SERIAL NO. ML 40904
2. NAME OF OPERATOR Apache Corporation		7. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 1700 Lincoln, Ste. 1900, Denver, CO 80203-4519		7. UNIT ASSIGNMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 695' FWL, 605' FSL		8. FARM OR LEASE NAME State
14. PERMIT NO. 43-047-3417		9. WELL NO. 14-16
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 4709' GR		10. FIELD AND POOL, OR WILDCAT Brennen Bottoms
		11. SEC. T. R. M., OR S.E. AND SURVEY OR ASSA Sec. 16-T7S-R21E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☒REPAIR WELL ☐(Other) ☐FULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Apache Corporation requests permission to begin a workover on the above captioned well per the attached procedure.

RECEIVED

MAY 7 1991

DIVISION OF
OIL, GAS & MINING

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-7-91

BY: J.M. Talbott

18. I hereby certify that the foregoing is true and correct

SIGNED David M. Talbott

TITLE Sr. Drlg/Prod. Engineer

DATE 5/7/91

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

RECEIVED

MAY 7 1991

State #14-16
695' FWL, 605' FSL Sec 16-T7S-R21E
Brennan Bottoms Field, Uintah County, Utah
Apache Working Interest 50%

DIVISION OF
OIL, GAS & MINING

KB: 4724'

GR: 4709'

 $\phi=12-1/4"$ $\phi=7-7/8"$ Cmt top
2560'

DV @ 4254' >

Lufkin M320 D 305-120 w/ engine
SL=100"

Surface Casing:

< 8-5/8 32 #/ft K55

CSA 273' Cmt was circulated to surf.

Production Casing:

<--- 4-1/2 10.5 #/ft K55 surf- 2295' 57 jts

4-1/2 11.6 #/ft N80 2295'- 6921' 115 jts

Tbg: 203 jts 2-3/8 4.7 #/ft J-55; tbg anchor;
7 jts 2-3/8 4.7 #/ft N-80; SN @ 6759'
all 8rd EUE

Rod String:

1: polish rod

2: 7/8" x 6' pony rod

1: 7/8" x 4' pony rods

1: 7/8" x 2' pony rods

91: 7/8" "D" rods

174: 3/4" "D" rods

3: 1" sinker bars

<--- Tbg Anchor @ 6451'

6609'
Wasatch
6752'

1 JSPF

6609, 11, 32, 37, 39, 41, 44,
87, 89
6750, 52

<--- Pump 2"x1.25"x18'x21.5' RHBC

<--- SN @ 6759'

<--- 10' 1" gas tube w/ 2' perf nipple ??

6823'
Wasatch
6862'

1 JSPF

6823, 26, 29, 32, 35, 51,
53, 58, 60, 62'

<--- PBTD: 6890'

<--- TD: 6934'

drawing revised May 7, 1991

WORKOVER STATE 14-16
May 7, 1991

RE-PERF AND ACIDIZE STATE 14-16

SPECIAL NOTE ALL ACID WATER & LOAD WATERS ARE TO BE KEPT IN SURFACE TANKS AND HAULED TO SWD. NOTHING IS TO BE DUMPED TO SURFACE PITS

- A. PUMP 60 BBL LEASE CONDENSATE DOWN BACKSIDE AND PUT WELL ON CIRCULATION FOR 2 DAYS PRIOR TO START OF WORKOVER. LEASE CONDENSATE TO COME FROM ONE OF THE APACHE OPERATED NATURAL BUTTES WELLS.
- B. MIRUSU
- C. RD HORSESHEAD
- D. UNSEAT PUMP
- E. RU HOT OILER
- F. HOT OIL DN TBG W/ 20 BBL 2% KCL HEATED TO 210
- G. HOT OIL DN CSG W/ 60 BBL 2% KCL HEATED TO 210
- H. TOOH W/ ROD & PUMP
- I. PU 4 EXTRA JTS 2-3/8" TBG, TAG PBTD
- J. SOOH
- K. CLEAN OUT FILL W/ BULL DOG BAILER IF BTM PERFS ARE COVERED W/ FILL
- L. TIH W/ 3 BLADE MILL DRESSED FOR 11.6# 4.5" CSG & CSG SCRAPER. CLEAN OUT THROUGH ALL PERFS.
- M. TOOH
- N. TIH W/ TBG SET BP TO APPROX. 6550'
- O. PU 1 JT ABOVE BP
- P. RU SERVICE COMPANY TO CONDUCT IRON SCAVENGER ACID JOB
- Q. PUMP 1000 GAL 7.5% IRON SCAVENGER ACID DN TBG, CONTINUE TO DISPLACE ACID UNTIL ACID IS DETECTED AT THE SURFACE THROUGH THE ANNULUS, THEN DISPLACE ACID DOWN THE BACKSIDE UNTIL IT IS COMPLETELY DISPLACED BACK OUT OF TBG. FLUSH WATER SHOULD CONTAIN CLAY FIX EQUIVALENT TO 2% KCL WTR.
- R. TIH, LATCH BP
- S. TOOH
- T. RU WIRELINE COMPANY

RECEIVED
MAY 7 1991

DIVISION OF
OIL, GAS & MINING

- U. CORRELATE & PERF THE FOLLOWING CNL-FDC INTERVALS ALL W/ 2JSPP PREMIUM CHARGE CSG GUN:
1. 6852-6864
 2. 6822-6836
 3. 6792-6796
 4. 6748-6752
 5. 6684-6690
 6. 6632-6644
 7. 6608-6612
 8. 6520-6526
 9. 6460-6468
 10. 6420-6426
- V. RD WIRELINE COMPANY
- W. TIH W/ PIP PACKER SPACED ON 4' SPACING W/ MECHANICAL COLLAR LOCATOR TO BELOW BTM PERF & TST PACKER
- X. SELECTIVE ACIDIZE PERFS W/ TOTAL 4,000 GAL 15% FE ACID
1. PUMP 52 GAL PER FT OF PERF INTERVAL AT MAX POSSIBLE RATE
 2. IF ACID COMMUNICATES AROUND TO BACKSIDE PERF THEN STOP PUMPING AND MOVE TO NEXT SET OF PERFS
 3. CONTINUE UNTIL ALL PERFS ACIDIZED
 4. IF THERE IS LEFT OVER ACID BECAUSE OF COMMUNICATION, THEN STRADDLE 4FT INTERVAL @ 6608-6612 FT AND DISPLACE OUT REMAINING ACID
 5. FLUSH W/ 2% KCL EQUIVALENT
 6. RD SERVICE COMPANY
- Y. TIH W/ PRODUCTION STRING SAME AS BEFORE
- Z. RU TO SWAB BACK LOAD
- AA. TIH W/ RODS & PUMP SAME AS BEFORE EXCEPT W/ HARDENED BBL PUMP
- AB. RETURN WELL TO PRODUCTION

RECEIVED
MAY 7 1991

OFFICE OF THE ATTORNEY GENERAL

WORKOVER STATE 14-16
May 7, 1991

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
 (Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 40904
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		11. SEC., T., R., M., OR S.E. AND SUBST OR AREA Sec. 16-T7S-R21E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☒

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Apache Corporation requests permission to begin a workover on the above captioned well per the attached procedure.

APPROVED BY THE STATE
 OF UTAH, DIVISION OF
 OIL, GAS, AND MINING
 DATE: **5-7-91**
David M. Talbott
 verbal approval 2:20PM

18. I hereby certify that the foregoing is true and correct

SIGNED **David M. Talbott**

TITLE **Sr. Drilg/Prod. Engineer**

DATE **5/7/91**

(This space for Federal or State office use)

APPROVED BY _____
 CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

State #14-16
 695' FWL, 605' FSL Sec 16-T7S-R21E
 Brennan Bottoms Field, Uintah County, Utah
 Apache Working Interest 50%

KB: 4724'

GR: 4709'

$\phi=12-1/4"$

$\phi=7-7/8"$

Cmt top
 2560'

DV @ 4254' >

Lufkin M320 D 305-120 w/ engine
 SL=100"

Surface Casing:

8-5/8 32 #/ft K55

CSA 273' Cmt was circulated to surf.

Production Casing:

<--- 4-1/2 10.5 #/ft K55 surf- 2295' 57 jts

4-1/2 11.6 #/ft N80 2295'- 6921' 115 jts

Tbg: 203 jts 2-3/8 4.7 #/ft J-55; tbg anchor;
 7 jts 2-3/8 4.7 #/ft N-80; SN @ 6759'
 all 8rd EUE

Rod String:

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2: 7/8" x 6' pony rod

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1: 7/8" x 2' pony rods

91: 7/8" "D" rods

174: 3/4" "D" rods

3: 1" sinker bars

<--- Tbg Anchor @ 6451'

6609'		6609, 11, 32, 37, 39, 41, 44,
Wasatch	1 JSPF	87, 89
6752'		6750, 52

<--- Pump 2"x1.25"x18'x21.5' RHBC

<--- SN @ 6759'

<--- 10' 1" gas tube w/ 2' perf nipple ??

6823'		6823, 26, 29, 32, 35, 51,
Wasatch	1 JSPF	53, 58, 60, 62'
6862'		

<--- PBTD: 6890'

<--- TD: 6934' drawing revised May 7, 1991

WORKOVER STATE 14-16
 May 7, 1991

RE-PERF AND ACIDIZE STATE 14-16

SPECIAL NOTE ALL ACID WATER & LOAD WATERS ARE TO BE KEPT IN SURFACE TANKS AND HAULED TO SWD. NOTHING IS TO BE DUMPED TO SURFACE PITS

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- C. RD HORSESHEAD
- D. UNSEAT PUMP
- E. RU HOT OILER
- F. HOT OIL DN TBG W/ 20 BBL 2% KCL HEATED TO 210
- G. HOT OIL DN CSG W/ 60 BBL 2% KCL HEATED TO 210
- H. TOOH W/ ROD & PUMP
- I. PU 4 EXTRA JTS 2-3/8" TBG, TAG PBTD
- J. SOOH
- K. CLEAN OUT FILL W/ BULL DOG BAILER IF BTM PERFS ARE COVERED W/ FILL
- L. TIH W/ 3 BLADE MILL DRESSED FOR 11.6# 4.5" CSG & CSG SCRAPER. CLEAN OUT THROUGH ALL PERFS.
- M. TOOH
- N. TIH W/ TBG SET BP TO APPROX. 6550'
- O. PU 1 JT ABOVE BP
- P. RU SERVICE COMPANY TO CONDUCT IRON SCAVENGER ACID JOB
- Q. PUMP 1000 GAL 7.5% IRON SCAVENGER ACID DN TBG, CONTINUE TO DISPLACE ACID UNTIL ACID IS DETECTED AT THE SURFACE THROUGH THE ANNULUS, THEN DISPLACE ACID DOWN THE BACKSIDE UNTIL IT IS COMPLETELY DISPLACED BACK OUT OF TBG. FLUSH WATER SHOULD CONTAIN CLAY FIX EQUIVALENT TO 2% KCL WTR.
- R. TIH, LATCH BP
- S. TOOH
- T. RU WIRELINE COMPANY

WORKOVER STATE 14-16
May 7, 1991

- U. CORRELATE & PERF THE FOLLOWING CNL-FDC INTERVALS ALL W/ 2JSPP
PREMIUM CHARGE CSG GUN:
1. 6852-6864
 2. 6822-6836
 3. 6792-6796
 4. 6748-6752
 5. 6684-6690
 6. 6632-6644
 7. 6608-6612
 8. 6520-6526
 9. 6460-6468
 10. 6420-6426
- V. RD WIRELINE COMPANY
- W. TIH W/ PIP PACKER SPACED ON 4' SPACING W/ MECHANICAL COLLAR
LOCATOR TO BELOW BTM PERF & TST PACKER
- X. SELECTIVE ACIDIZE PERFS W/ TOTAL 4,000 GAL 15% FE ACID
1. PUMP 52 GAL PER FT OF PERF INTERVAL AT MAX POSSIBLE RATE
 2. IF ACID COMMUNICATES AROUND TO BACKSIDE PERF THEN
STOP PUMPING AND MOVE TO NEXT SET OF PERFS
 3. CONTINUE UNTIL ALL PERFS ACIDIZED
 4. IF THERE IS LEFT OVER ACID BECAUSE OF COMMUNICATION, THEN
STRADDLE 4FT INTERVAL @ 6608-6612 FT AND DISPLACE OUT
REMAINING ACID
 5. FLUSH W/ 2% KCL EQUIVALENT
 6. RD SERVICE COMPANY
- Y. TIH W/ PRODUCTION STRING SAME AS BEFORE
- Z. RU TO SWAB BACK LOAD
- AA. TIH W/ RODS & PUMP SAME AS BEFORE EXCEPT W/ HARDENED BBL PUMP
- AB. RETURN WELL TO PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 40904
2. NAME OF OPERATOR Apache Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 1700 Lincoln, Ste. 1900, Denver, CO 80203-4519		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 605' FSL, 695' FWL		8. FARM OR LEASE NAME State
14. PERMIT NO. 43-047-31417		9. WELL NO. 14-16
15. ELEVATIONS (Show whether on, to, or etc.) DIVISION OF OIL GAS & MINING JUL 01 1991		10. FIELD AND POOL, OR WILDCAT Brennan Bottom
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16-T7S-R21E
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
- MIRU Service unit. Pressure tested tbg to 1000 psi, held O.K. Unseat pump. TOOH with rods and pump. Released tbg anchor at 6451'. TOOH with tbg. Pick up bull dog bailer with 3-7/8" 3 blade mill. TIH. Hit hard scale at 6808', top fill at 6860'. Worked and rotated bailer to PBTD at 6890'. Tagged PBTD, no fill. TOOH with bailer. Recovered in tbg 130' scale and fine sandy material. PU mill, bit sub, casing scraper and crossover sub.
- TIH with 180 jts 2 3/8" tbg. Set retrievable plug at 6555'. RU Smith Energy. Pmpd 1000 gals 7-1/2" HCL acid with additives. Perf'd 6420-26'; 6460-68'; 6520-26'; 6608-12'; 6632-44'; 6684-90; 6748-52'; 6792-96'; 6822-36'; 6852-64' with 3 3/8" casing guns, 2 JSPF. Acidized perfs with 4000 gals 15% HCL acid with additives. Acidized each set of perfs individually moving plug and packer for each setting. Flushed annulus with 50 bbls clayfix wtr. Had no noticeable communication on sfc. TIH with SN, tbg, and tbg anchor to 6580'. Set tbg anchor at 6387' with 10,000 psi tension. Bottom of tbg and seating nipple at 6812'. RIH with rods and pump as follows: 2 x 1 1/4 x 18 x 19 1/2 RHAC with 10' x 1" gas anchor; 2' x 7/8" pony, 3 - 1" sinker bars, 176 3/4" rods, 91 7/8" rods with scrapers; 1 4' x 7/8" pony; 2' x 7/8" pony, polished rod and liner. Set pump. Production rate of 6 BOPD; 7 BWPD.

18. I hereby certify that the foregoing is true and correct

SIGNED Carolyn D. Hepp
Carolyn D. Hepp
(This space for Federal or State office use)

TITLE Engineering Technician

DATE 6/27/91

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML 40904

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

N/A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☒ Oil Well☐ Gas Well☐ Other (specify)

9. Well Name and Number

State #14-16

2. Name of Operator

Apache Corporation

10. API Well Number

43-047-31417

3. Address of Operator

1700 Lincoln, Ste. 1900, Denver, CO

4. Telephone Number

303/837-5000

11. Field and Pool, or Wildcat

Brennan Bottoms

5. Location of Well

Footage : 605' FSL, 695' FWL

County : Uintah

QQ, Sec, T., R., M. : Sec. 16-T7S-R21E

State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Annual Status Report</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

Approximate Date Work Will Start _____

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above captioned well is currently temporarily abandoned due to poor economics.

Apache Corporation will have ongoing lease maintenance for this well.

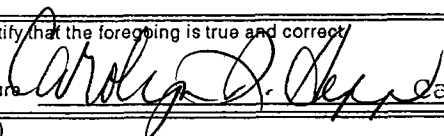
RECEIVED

FEB 19 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature



Carolyn D. Hepp

Title

Sr. Engr. Tech.

Date

2/14/92

(State Use Only)

SUITE 1900 ONE UNITED BANK CENTER
1700 LINCOLN STREET
DENVER, CO 80203-4519



Page 1 of 1

3/26/92

Utah Natural Resources
Oil, Gas & Mining:

ROCKY MTN.
DIVISION REPORT
MAR 09 1992
REGION

Utah Account No. N5040

Report Period (Month/Year) 2 / 92

Amended Report ☐

The State #14-16
well which has
always been included
on our report, was
not listed on 2/92
report. This well
is SI & Apache still
operates it; therefore,
I inserted it on
the 2/92 report.

Gas (MSCF)	Water (BBL)
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
8188	0
7588	19
0	0
23478	95
1263	192
0	0
40517	306

RECEIVED

MAR 30 1992

DIVISION OF
OIL GAS & MINING

Thanks,
Kalen C. Bauer

1-12, #4-1, #A1-18,

#B1-10, #B2-3; Lafkas #1-3; State #18-1A;
Apache #12-25; State #14-16 Shut In

I have reviewed this report and certify the information to be accurate and complete.

Date 3/26/92

Kalen C. Bauer

Authorized signature

Telephone (303) 837-5438

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		6. Lease Designation and Serial Number ML 40904
2. Name of Operator Apache Corporation		7. Indian Allottee or Tribe Name
3. Address of Operator 1700 Lincoln, Ste. 1900, Denver, CO	4. Telephone Number 303/837-5000	8. Unit or Communitization Agreement
5. Location of Well Footage : 605' FSL, 695' FWL OO, Sec. T., R., M. : Sec. 16-T7S-R21E		9. Well Name and Number State 14-16
		10. API Well Number 43-047-31417
		11. Field and Pool, or Wildcat Brennan Bottoms

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Apache Corporation sold its interest in the above captioned well to:

Phoenix Hydrocarbons, Inc.
P.O. Box 2802
Midland, Texas 79702

State Bond Number: M-416415 (Texas Commerce Bank)

Effective January 1, 1992.

RECEIVED

JUL 20 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

Alex Nash, Jr.

Title Engineering Mgr.

Date 4-10-92

(State Use Only)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078

Phone (801) 789-1362

FAX (801) 789-3634



IN REPLY REFER TO:

2800

UTU-69116

(U-082)

Tammy Searing
Division of Oil, Gas and Mining
355 West North Temple
Three Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

SEP 09 1992

SEP 10 1992

DIVISION OF
OIL, GAS & MINING

43-047-31417

Dear Ms. Searing:

This is in reference to State well #14-16 located in T. 7 S., R. 21 E., SLM, Utah, Section 16. Phoenix Hydrocarbons has secured a Federal right-of-way from our office for access to well #14-16. We have enclosed a copy of the right-of-way document for your information and files.

We request that you notify our office of any future changes in the status of this well so that our records can be updated and the right-of-way terminated if necessary. Please reference our right-of-way serial number UTU-69116 in any future correspondence concerning this well. Should you have any questions concerning this matter, please contact Cindy McKee or our office. We thank you for your cooperation.

Sincerely,

Paul M. Andrews
Area Manager
Book Cliffs Resource Area

Enclosure:
As stated

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RIGHT-OF-WAY GRANT/TEMPORARY USE PERMIT

SERIAL NUMBER UTU-69116

RECEIVED

SEP 10 1992

DIVISION OF
OIL GAS & MINING

1. A right-of-way is hereby granted pursuant to Section 28 of the Mineral Leasing Act of 1920, as amended (30 U.S.C. 185).

2. Nature of Interest:

a. By this instrument, the holder:

Phoenix Hydrocarbons, Inc.
415 W. Wall #703
Midland, Texas 79701

receives a right to construct, operate, maintain, and terminate a 2-inch surface pipeline to state well #14-16, on Federal lands described as follows:

T. 7 S., R. 21 E., SLM, Utah
Sec. 17, SESE.

- b. The right-of-way or permit area granted herein is 10 feet wide, 1,300 feet long and contains .30 acres, more or less.
- c. This instrument shall terminate 15 years from its effective date unless, prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.
- d. This instrument may be renewed. If renewed, the right-of-way or permit shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the authorized officer deems necessary to protect the public interest.
- e. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management fair market value rental as determined by the authorized officer unless specifically exempted from such payment by regulation. Provided, however, that the rental may be adjusted by the authorized officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. Terms and Conditions:

- a. This grant or permit is issued subject to the holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations part 2880.
- b. Upon grant termination by the authorized officer, all improvements shall be removed from the public lands within 90 days, or otherwise disposed of as provided in paragraph (4)(c) or as directed by the authorized officer.
- c. The stipulations, plans, maps, or designs set forth in Exhibit "A", dated July 29, 1992, attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.
- d. Failure of the holder to comply with applicable law or any provision of this right-of-way grant or permit shall constitute grounds for suspension or termination thereof.
- e. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.
- g. The holder shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the applicants proposal outlined in the application, as amended on August 3, 1992. Any relocation, additional construction, or use that is not in accord with the approved plan of development, shall not be initiated without the prior written approval of the authorized officer. Noncompliance with the above will be grounds for an immediate temporary suspension of activities if it constitutes a threat to public health and safety or the environment.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant or permit.

CRB
(Signature of Holder)

PRESTON
(Title)

5/27/92
(Date)

Paul M. Ashman
(Signature of Authorized Officer)

Area Manager, Book Cliffs
(Title)

SEP 09 1992

(Effective Date of Grant)

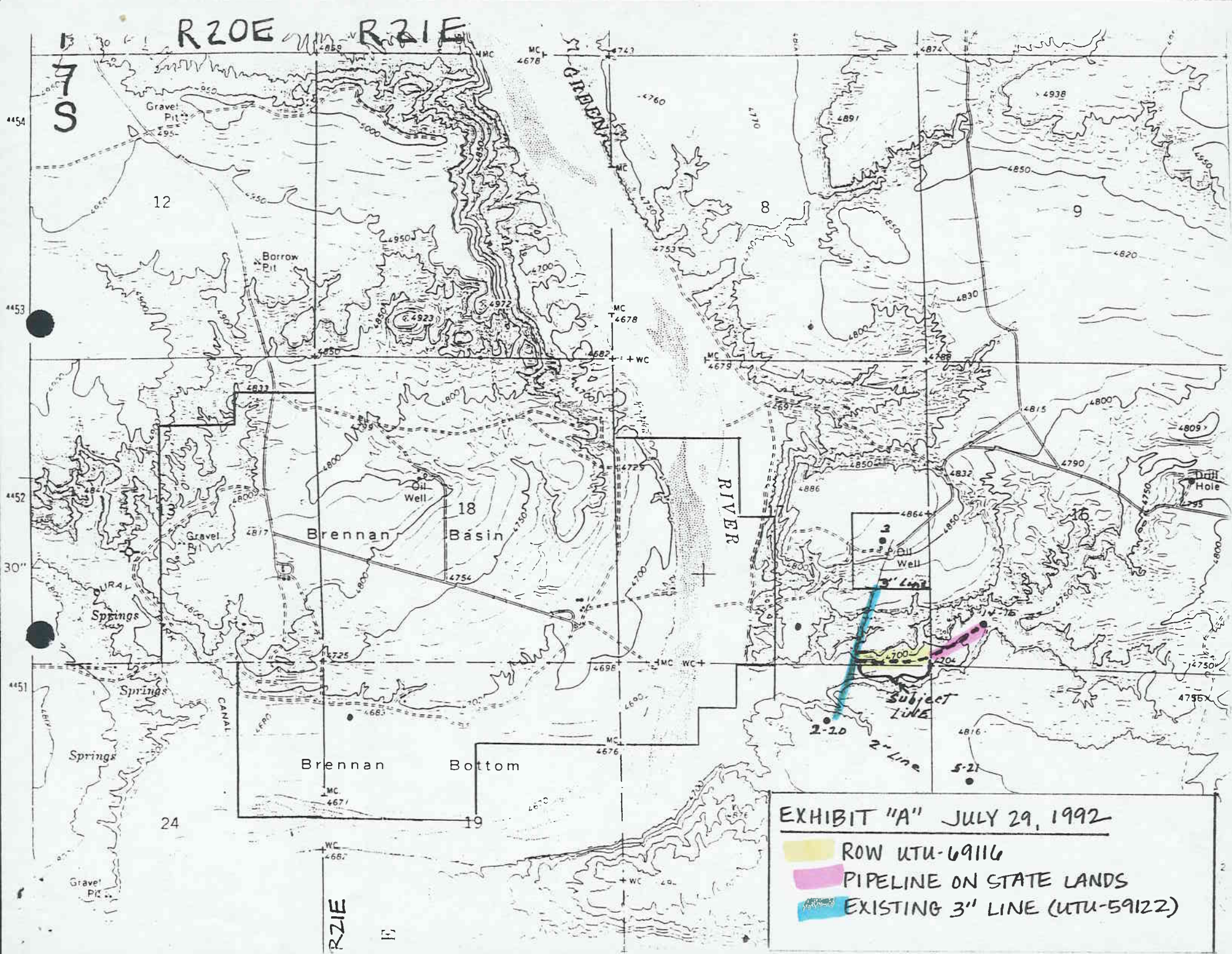


EXHIBIT "A" JULY 29, 1992

ROW UTA-69116

PIPELINE ON STATE LANDS

EXISTING 3" LINE (UTA-59122)

Phoenix Hydrocarbons Operating Corp.

September 22, 1992

State of Utah
Division Of Oil, Gas & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

RECEIVED
SEP 25 1992
CLERK OF
COURT

Attention: Lisha Romero

RE: Sundry Notices
Apache Acquisition/Coors Energy Acquisition

Dear Lisha:

Enclosed you will find Sundry Notices for the above mentioned wells which Phoenix Hydrocarbons has recently acquired. If you should have any questions or require additional information please call.

I did talk with Sally at the BLM-Vernal Office and she informed she did have the proper paper work (since August 1991) and would have them approved today (from Phoenix Hydrocarbons Inc. to Phoenix Hydrocarbons Operating Corp.). so keep your fingers crossed that you will have the approval soon.

Sincerely,



Rhonda Patterson

/rgp
Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 43-047-31417
2. NAME OF OPERATOR Phoenix Hydrocarbons Operating Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 415 West Wall, #703 Midland, TX 79701 (915)682-1186		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Sec 16, T-07-S, R-21-E		8. FARM OR LEASE NAME State 14-16
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Brennan Bottom
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH Uintah
		13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

This is to advise you that Phoenix Hydrocarbons Operating Corp. is the Operator of the above named well effective January 1, 1992 (originally operated by Apache Corporation and sold to Phoenix Hydrocarbons, Inc. which transfers Operations to Phoenix Hydrocarbons Operating Corp.). Please note that reporting responsibilities changed from Apache Corporation to Phoenix Hydrocarbons Operating Corp. effective June 1, 1992.

RECEIVED

SEP 25 1992

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE President

DATE 9/22/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 43-047-31417
2. NAME OF OPERATOR Phoenix Hydrocarbons, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2802, Midland, TX 79702 (915)682-1186		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Sec 16, T-07-S, R-21-E		8. FARM OR LEASE NAME State 14-16
14. PERMIT NO. 43-047-31417		9. WELL NO.
15. ELEVATIONS (Show whether OF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT Brennan Bottom
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH Uintah
		13. STATE UT

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This is to advise you that effective January 1, 1992, Phoenix Hydrocarbons, Inc. purchased the above named well from Apache Corporation - Please note that the reporting responsibilities exchanged hands June 1, 1992.

RECEIVED

SEP 25 1992

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE President

DATE 9/22/92

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Phoenix Hydrocarbons Operating Corp.

Be advised that Phoenix Hydrocarbons Operating Corp. is considered to be the operator of the following wells:

Federal 2-10HB
Lafkas 1-3
State 14-16
Love Unit Wells

and is responsible under the terms and conditions of the leases for the operations conducted on the leased lands.

Bond coverage for these wells is provided by Bond No. B01258 (Principal Planet Indemnity) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

RECEIVED

SEP 25 1992

DIVISION OF
OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-LEC
2-DTS	
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-1-92)

TO (new operator) PHOENIX HYDRO OPER CORP
(address) PO BOX 2802
MIDLAND, TX 79702
RHONDA PATTERSON
phone (915) 682-1186
account no. N 9880

FROM (former operator) APACHE CORPORATION
(address) 1700 LINCOLN STE 1900
DENVER, CO 80203-4520
ALEX NISH
phone (303) 837-5000
account no. N5040

Well(s) (attach additional page if needed):

*CR-201

Name: <u>LAFKAS FED 1-3/MVRD</u>	API: <u>43-047-31178</u>	Entity: <u>1367</u>	Sec <u>3</u> Twp <u>11S</u> Rng <u>20E</u>	Lease Type: <u>U-34350</u>
Name: <u>STATE 14-16/CR-WS</u>	API: <u>43-047-31417</u>	Entity: <u>8010</u>	Sec <u>16</u> Twp <u>7S</u> Rng <u>21E</u>	Lease Type: <u>ML-40904</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 7-20-92)
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 8-25-92) (Rec'd 9-25-92)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (4-7-93)
- Sec 6. Cardex file has been updated for each well listed above. (4-7-93)
- Sec 7. Well file labels have been updated for each well listed above. (4-7-93)
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-7-93)
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 4/6/93 1993. If yes, division response was made by letter dated 4/6/93 1993.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 4/6/93 1993, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.
4/6/93 to Ed Bonner

FILED

1. All attachments to this form have been microfilmed. Date: April 9 1993.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

REMARKS

930401 Bfm/S.Y. CR-201 Approved eff. 3-29-93.
Low Unit not approved as of yet. Will be handled separately.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 3 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RHONDA PATTERSON
PHOENIX HYDRO OPER CORP
PO BOX 2802
MIDLAND TX 79702

UTAH ACCOUNT NUMBER: N9880REPORT PERIOD (MONTH/YEAR): 12 / 93AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
CASTLE PEAK 1-3								
✓ 4301330639	01522	09S 16E 3	GRRV			- U-47172		
CLIFF EDGE 1-15								
✓ 4304730462	01524	10S 23E 15	MVRD			- U-38427		
FED MILLER #1								
✓ 4304730034	02750	07S 22E 4	UNTA			- U-0136484		
WOLF GOV FED #1								
✓ 4304715609	02755	07S 22E 5	UNTA			- U-075939		
PARIETTE DRAW 28-44								
✓ 4304731408	04960	04S 01E 28	GRRV			- FEE	TD 6540'	\$20,000 ea.
PLEASANT VALLEY 24-32								
✓ 4301330888	04970	04S 02W 24	GRRV			- FEE	TD 8760'	Rq. 3-2-94
URAL 1-7								
✓ 4304730148	06129	11S 21E 7	WSTC			- U-8345	(separate chg)	Referral to O&G/Vern. 3-2-94
SOUTHMAN CYN 4-5								
✓ 4304730633	06131	10S 23E 5	MVRD			- U-33433		
STATE 14-16								
✓ 4304731417	08010	07S 21E 16	GR-WS			- ML-40904		
BONANZA FEDERAL 3-15								
✓ 4304731278	08406	10S 23E 15	MVRD			- U-38428		
LIZZARD CREEK 1-10								
✓ 4304731475	09870	11S 22E 10	MVRD			- U-25880		
ARCHY BENCH STATE 1-2								
✓ 4304731489	09871	11S 22E 2	MVRD			- ML-22348A		
GUSHER UNIT #3								
✓ 4304715590	10341	06S 20E 10	GRRV			- SL-065841		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

FEB 28 1994

Attention: Lisha Cordova

RE: Change Of Operator
Sundry Notices

Dear Lisha:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transfered.

If you should have any questions, please call.

Sincerely,

Rhonda Patterson

Rhonda Patterson

encl.

Post-it™ Fax Note	7671	Date	# of pages ▶ 3
To <i>Lisha</i>	From <i>Cathy Brockman</i>		
Co./Dept.	Co.		
Phone #	Phone #		
Fax #	Fax #		

UINTAH COUNTY

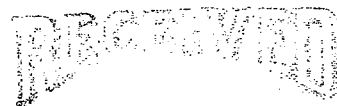
Well Name	LEASE NUMBER	API NUMBER	LOCATION
Gulf State 36-11	ML-22057	43-047-31350	SEC 36, T-8-S, R-18-E
Gulf State 36-12	ML-22057	43-047-31864	SEC 36, T-8-S, R-18-E
Gulf State 36-13	ML-22057	43-047-31346	SEC 36, T-8-S, R-18-E
Gulf State 36-22	ML-22057	43-047-31892	SEC 36, T-8-S, R-18-E
Pariette Draw 28-44	FEE	43-047-31408	SEC 28, T-4-S, R-2-W
Federal Miller #1	UTU0136484	43-047-30034	SEC 4, T-7-S, R-22-E
Wolf Govt #1	UTU075939	43-047-16609	SEC 5, T-7-S, R-22-E
McLish #1 (WalkerHollow)	SL-066341	43-047-20280	SEC 8, T-7-S, R-23-E
McLish #2 (WalkerHollow)	SL-066341	43-047-30011	SEC 8, T-7-S, R-23-E
McLish #3 (WalkerHollow)	SL-066341	43-047-30027	SEC 8, T-7-S, R-23-E
McLish #4 (WalkerHollow)	SL-066341	43-047-30030	SEC 8, T-7-S, R-23-E
Walker Hollow U-6	SL-066341	43-047-31034	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-30038	SEC 8, T-7-S, R-23-E
Part American #2	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-066341	43-047-31092	SEC 8, T-7-S, R-23-E
Basar 6-1	UTU075939	43-047-31833	SEC 6, T-7-S, R-22-E
Basar 6-1	UTU075939	43-047-31834	SEC 6, T-7-S, R-22-E
Basar 6-2	UTU075939	43-047-31859	SEC 6, T-7-S, R-22-E
Southman 1-6	UTU33433	43-047-30856	SEC 6, T-10-S, R-23-E
Southman 4-4	UTU33433	43-047-30832	SEC 4, T-10-S, R-23-E
Southman 4-6	UTU33433	43-047-30533	SEC 6, T-10-S, R-23-E
East Gusher 16-1-A	UTU58097	43-047-31900	SEC 16, T-6-S, R-20-E
Coors 14-1-D	UTU65223	43-047-31304	SEC 14, T-7-S, R-21-E
East Gusher 2-1-A	ML-21181	43-047-31431	SEC 2, T-6-S, R-20-E
Madeline 4-3-C	UTU42469	43-047-32279	SEC 4, T-7-S, R-21-E
Federal 6-6-H	UTU68999	43-047-31903	SEC 6, T-7-S, R-21-E
Federal 11-1-M	UTU64378	43-047-32333	SEC 11, T-6-S, R-20-E
Flat Mesa 1-7	U-38420	43-047-30362	SEC 7, T-10-S, R-23-E
Flat Mesa 2-7	U-38420	43-047-30546	SEC 7, T-10-S, R-23-E
Crooked Canyon 1-17	U-37355	43-047-30369	SEC 17, T-10-S, R-23-E
Willow Creek 2	U-39223	43-047-31818	SEC 6, T-11-S, R-20-E
No Name Canyon 1-9	U-37355	43-047-30378	SEC 9, T-10-S, R-23-E
No Name Canyon 2-9	U-37355	43-047-31604	SEC 9, T-10-S, R-23-E
Canyon View Fed 1-18	U-38421	43-047-30379	SEC 18, T-10-S, R-23-E
Alger Pass #1	ML-36213	43-047-31824	SEC 2, T-11-S, R-19-E
Sage Hen 1-6	U-38419	43-047-30362	SEC 6, T-10-S, R-23-E
Sagebrush 1-8	U-37355	43-047-30383	SEC 8, T-10-S, R-23-E
Southman Canyon SWD 3	U-38427	43-047-16880	SEC 15, T-10-S, R-23-E
Jack Rabbit 1-11	U-38425	43-047-30423	SEC 11, T-10-S, R-23-E
Cliff Edge 1-16	U-38427	43-047-30462	SEC 16, T-10-S, R-23-E
White River 1-14	U-38427	43-047-30481	SEC 14, T-10-S, R-23-E
Bitter Creek Fed 1-3	U-26797	43-047-30524	SEC 3, T-11-S, R-22-E
Lookout Point 1-16	ML-22186-A	43-047-30544	SEC 16, T-10-S, R-23-E
Pete's Flat Fed 1-1	U-40736	43-047-30558	SEC 1, T-10-S, R-23-E
Shepherd Fed 1-10	U-38281	43-047-30559	SEC 10, T-10-S, R-23-E
NSO Fed 1-12	U-38422	43-047-30560	SEC 12, T-10-S, R-23-E
Cottonwood Wash #1	U-40729	43-047-31774	SEC 10, T-12-S, R-21-E
Willow Creek #1	U-34705	43-047-31776	SEC 27, T-11-S, R-20-E
East Bench #1	U-25880	43-047-31778	SEC 33, T-11-S, R-22-E
Lizzard Creek 1-10	U-25880	43-047-31476	SEC 10, T-11-S, R-22-E
Archy Bench #1-2	ML-22348-A	43-047-31489	SEC 2, T-11-S, R-22-E
Coors 2-10-HB	UTU-65222	43-047-32009	SEC 10, T-7-S, R-21-E
E Gusher #3	SL-065841-A	43-047-16590	SEC 3, T-6-S, R-20-E
Natural 1-7	U-8346	43-047-30148	SEC 7, T-11-S, R-21-E
Bonanza Federal 3-16	U-38428	43-047-31278	SEC 16, T-10-S, R-23-E
Larkas 1-3	CR201	43-047-31178	SEC 3, T-11-S, R-20-E
State 14-16	ML-40904	43-047-31417	SEC 16, T-7-S, R-21-E
Love Unit 1-18	891018090A	43-047-30706	SEC 18, T-11-S, R-22-E
Love Unit 1-11	891018090A	43-047-30617	SEC 11, T-11-S, R-21-E
Love Unit 1-12	891018090A	43-047-30638	SEC 12, T-11-S, R-21-E
Love Unit 4-1	891018090A	43-047-30640	SEC 4, T-11-S, R-21-E
Love Unit B-1-10	891018090A	43-047-30709	SEC 10, T-11-S, R-21-E
Love Unit B-2-3	891018090A	43-047-30766	SEC 3, T-11-S, R-21-E
Horseshoe Bend #2 (Ara)	U-0142175	43-047-16800	SEC 3, T-7-S, R-21-E

DUCHESNE COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Pleasant Valley 24-32	FEE	43-013-30888	SEC 24, T-4-S, R-2-W
Castle Peak 1-3	U-47172	43-013-30639	SEC 3, T-9-S, R-16-E
Monument Butte 1-3	U-44004	43-013-30642	SEC 3, T-9-S, R-17-E
Monument Butte 2-3	U-61252	43-013-30810	SEC 3, T-9-S, R-17-E

SNYDER OIL CORPORATION

1625 Broadway, Suite 2200
Denver, Colorado 80202
Phone 303-592-8579



FEB 07 1994

DIVISION OF
OIL, GAS & MINING

January 13, 1994

State of Utah
Division of Oil, Gas, & Mining
3 Triad Center, #350
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator
Sundry Notices

Dear Ms. Cordova:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely,

A handwritten signature in dark ink, appearing to read "Steven G. Van Hook". The signature is fluid and cursive, with a large, stylized "S" at the beginning.

Steven G. Van Hook
Attorney-in-Fact

Enclosures

INTEROFFICE COMMUNICATION
SNYDER OIL CORPORATION

TO: George Rooney
FROM: Steve Van Hook *SVH*
DATE: January 17, 1994
RE: Phoenix Acquisition
Transfer of Operator Forms

RECEIVED
FEB 07 1994
DIVISION OF
OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

- Copy
Needs
Copies*
- ① Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.
 - ② Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.
 3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:
 - McLish #1, 2, 3, 4
 - Pan Am #2
 - Walker Hollow U6, J8
 4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

Castle Peak 1-3	No Name 2-9, 1-9
Canyon View 1-18	Willow Creek #2
Crooked Canyon 1-17	Flat Mesa 2-7
Federal 11-1-M	Flat Mesa 1-7
Madelive 4-3-C	Gusher 15-1-A
Coors 1-14-D	Southman Canyon 4-5, 4-4, 1-5
Baser 5-1	Baser Draw 6-2, 6-1

Memo Re: Phoenix/Transfer of Operator Forms
January 17, 1994
Page 2

Wolf Govt. Federal #1
Monument Butte 2-3
Pete's Flat Federal 1-1
Willow Creek #1
Cliff Edge Fed 1-15
E. Gusher No. 3
Lizzard Creek 1-10
Federal 3-15
Monument Butte 1-3

Federal Miller 1
Sage Brush 1-8
Bitter Creek Federal 1-3
White River 1-14
Southman Canyon SWD #3
Federal 2-10 HB
Horseshoe Bend 2
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1- REC/GM
2- DT 57-SJ
3- FILE 8-FILE
4- RIF
5- DEC
6- PL

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-01-94)

TO (new operator)	<u>SNYDER OIL CORPORATION</u>	FROM (former operator)	<u>PHOENIX HYDRO OPER CORP</u>
(address)	<u>PO BOX 129</u>	(address)	<u>PO BOX 2802</u>
	<u>BAGGS WY 82321</u>		<u>MIDLAND TX 79702</u>
	<u>KATHY STAMAN</u>		<u>RHONDA PATTERSON</u>
	phone <u>(307) 383-2800</u>		phone <u>(915) 682-1186</u>
	account no. <u>N 1305</u>		account no. <u>N 9880</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>047-31417</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-28-94)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-7-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-28-94)*
- See 6. Cardex file has been updated for each well listed above. *(2-28-94)*
- See 7. Well file labels have been updated for each well listed above. *(3-2-94)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-28-94)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

Sec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).

N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

*(In progress / Phoenix's IDLOC #m416415/80,000 not to be released until replaced)
* Both operators aware.*

Sec 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.

____ 2. A copy of this form has been placed in the * Upon compl. of routing. new and former operators' bond files.

Sec 3. The former operator has requested a release of liability from their bond (yes/no) ____.
Today's date February 28, 1994. If yes, division response was made by letter dated ____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated ____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

✓ 1. All attachments to this form have been microfilmed. Date: March 18 1994.

FILING

✓ 1. Copies of all attachments to this form have been filed in each well file.

✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940228 Partial change only. (see separate change)



Snyder Oil Corporation

P.O. Box 695
Vernal, Utah 84078
801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining
3 Triad Center, Suite #350
355 W. North Temple
Salt Lake City, UT 84180-1203

MAR - 1 1996

RE: Site Security Diagrams

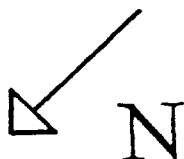
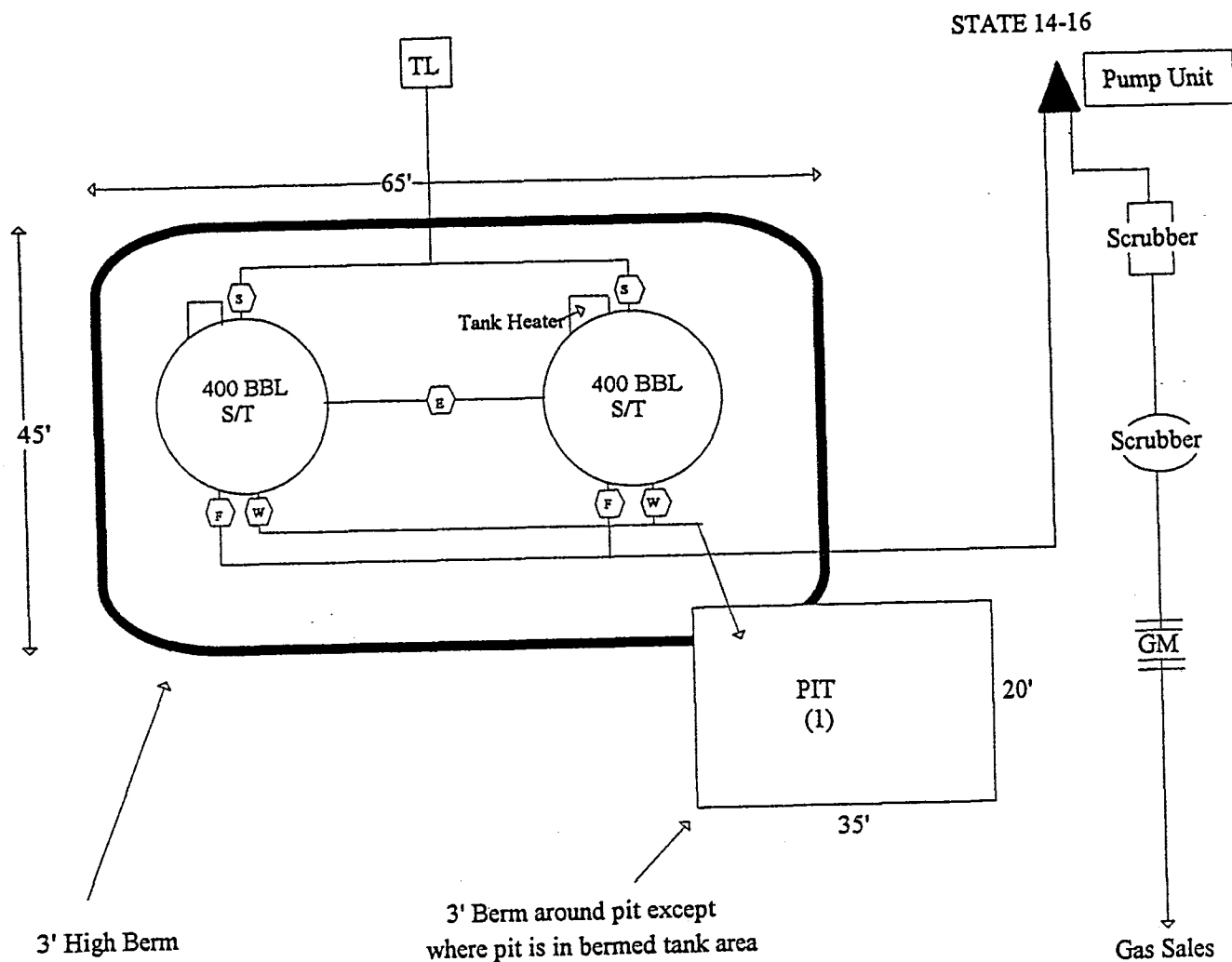
Gentlemen:

Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemec".

Lucy Nemec
Senior Clerk



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION
P.O. BOX 695
VERNAL, UT 84078

43-047-31417

Snyder Oil Corporation

STATE 14-16
SWSW SEC 16 T7S R21E
UINTAH COUNTY, UT
Lease # ML-40904

Prepared By: JT 7/26/95
Revised By: KR 1/18/96

BUYS & ASSOCIATES, INC.
Environmental Consultants

SNYDER OIL CORPORATION

VALVING DETAIL

(Site Security Diagram Attachment)

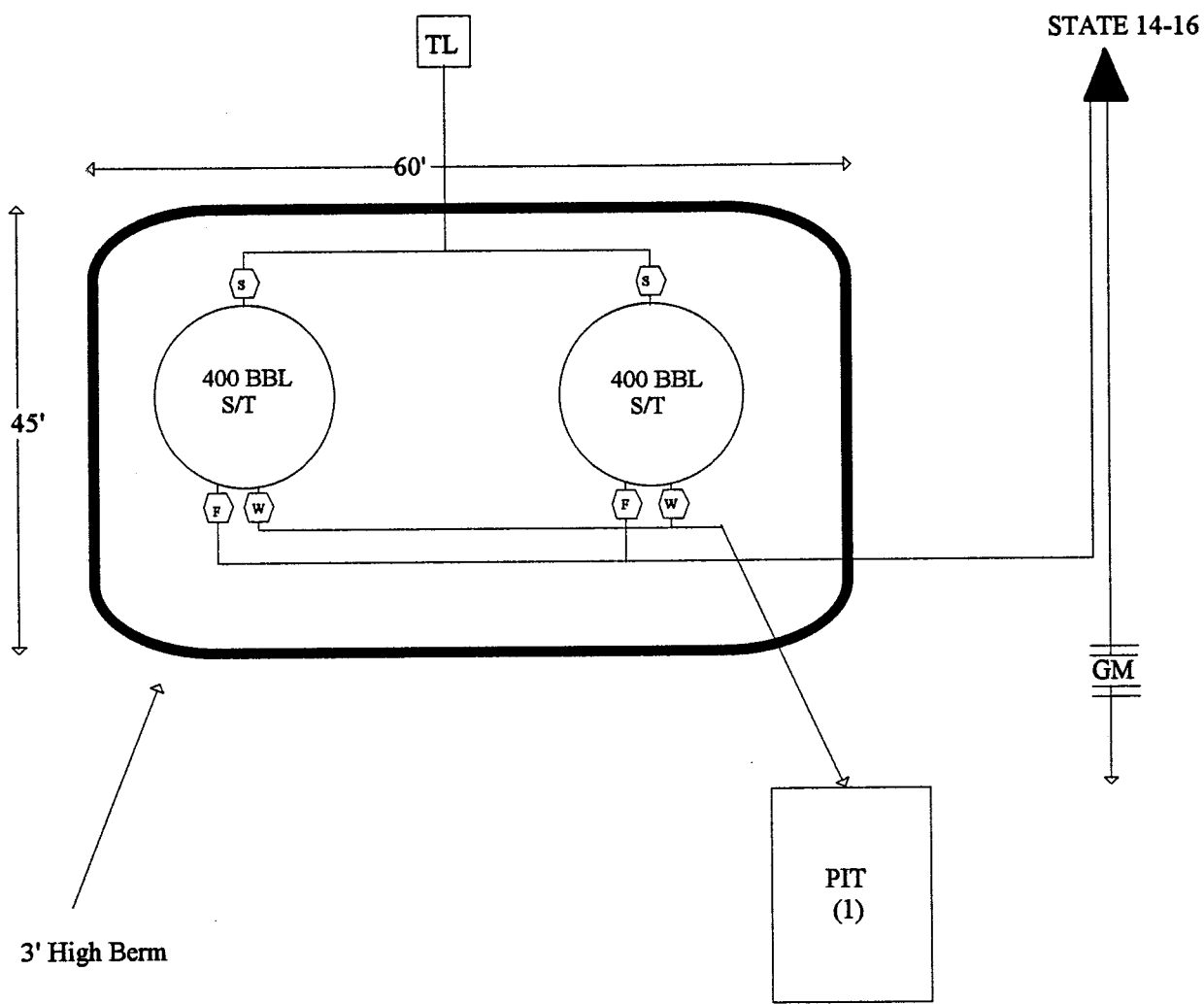
Position of Valves and Use of Seals for Tanks in Production Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Open	No
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed	Yes

Position of Valves and Use of Seals for the Tank in Sales Phase

Valve	Line Purpose	Position	Seal Installed
E	Overflow/Equalizer	Closed	Yes
F	Fill	Closed	Yes
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed*	Yes

*The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION
P.O. BOX 695
VERNAL, UT 84078

Snyder Oil Corporation

STATE 14-16
SWSW SEC 16 T7S R21E
UINTAH COUNTY, UT

Prepared By: JT 7/26/95

BUYS & ASSOCIATES, INC.
Environmental Consultants

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. ML-40904	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME N/A	
2. NAME OF OPERATOR SNYDER OIL CORPORATION		8. FARM OR LEASE NAME State	
3. ADDRESS OF OPERATOR P.O. Box 695, Vernal, UT 84078 801-789-0323		9. WELL NO. 14-16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 695' FWL 605' FSL SW/SW		10. FIELD AND POOL, OR WILDCAT Brennan Bottoms	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16, T7S, R21E	
14. API NUMBER 43-047-31417	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4709' GR	12. COUNTY OR PARISH Uintah	13. STATE Utah
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(OTHER) _____	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	Dispose of prod. wtr <input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

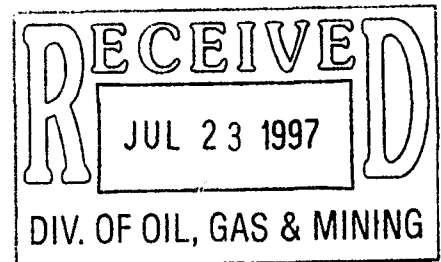
Snyder Oil Corporation requests approval to change from a quarterly calibration schedule to a biannual calibration schedule for the above referenced well. This well makes less than 100 MCF/day.

18. I hereby certify that the foregoing is true and correct		
SIGNED <u>Lucy Nemer</u>	TITLE <u>Senior Clerk</u>	DATE: <u>MARCH 27, 1996</u>
<small>(This space for Federal or State office use)</small>		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

<p>1. SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML-40904</p>																									
<p>OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p>		<p>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A</p>																									
<p>2. NAME OF OPERATOR SNYDER OIL CORPORATION</p>		<p>7. UNIT AGREEMENT NAME</p>																									
<p>3. ADDRESS OF OPERATOR P.O. Box 695, Vernal, UT 84078 801-789-0323</p>		<p>8. FARM OR LEASE NAME State</p>																									
<p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 695' FWL 605' FSL SW/SW</p>		<p>9. WELL NO. 14-16</p>																									
<p>14. API NUMBER 43-047-31417</p>		<p>10. FIELD AND POOL, OR WILDCAT Brennan Bottoms</p>																									
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4709' GL</p>		<p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 16, T7S, R21E S.L.M.</p>																									
<p>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</p> <table border="0" style="width:100%;"> <tr> <td colspan="2" style="text-align: center;">NOTICE OF INTENTION TO:</td> <td colspan="2" style="text-align: center;">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(OTHER) _____ <input type="checkbox"/></td> <td></td> </tr> <tr> <td>(OTHER) <input checked="" type="checkbox"/></td> <td>Dispose of prod. wtr <input type="checkbox"/></td> <td colspan="2" style="text-align: center;">(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____ <input type="checkbox"/>		(OTHER) <input checked="" type="checkbox"/>	Dispose of prod. wtr <input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		<p>12. COUNTY OR PARISH Uintah</p>	
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																									
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																								
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																								
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																								
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) _____ <input type="checkbox"/>																									
(OTHER) <input checked="" type="checkbox"/>	Dispose of prod. wtr <input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)																									
<p>13. STATE Utah</p>		<p>17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*</p> <p>Snyder Oil Corporation requests approval to close the water evaporation pits on the above referenced location in the following manner:</p> <ol style="list-style-type: none"> 1. Remove all liquids from the pit. 2. Contact the State for an inspection of the pit and approval to backfill. 3. Backfill the pit. 																									

Accepted by the State
of Utah Division of
Oil, Gas and Mining
Date: 7/23/97
By: [Signature]



18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Assistant Foreman DATE 7.23.97

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR SNYDER OIL CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME	
3. ADDRESS OF OPERATOR P.O. Box 695, Vernal, UT 84078 801-789-0323		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME See below	
14. API NUMBER		9. WELL NO.	
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
		12. COUNTY OR PARISH	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) Backfill evaporation pits	<input type="checkbox"/>
(OTHER) <input type="checkbox"/>	Dispose of prod. wtr <input checked="" type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

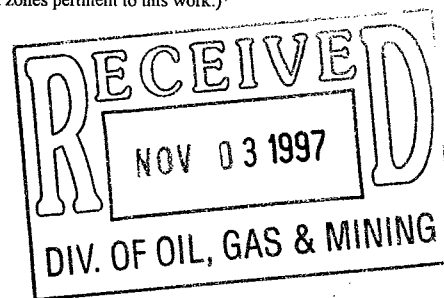
Snyder Oil Corporation reports the following evaporation pits were closed as follows:

1. Remove all liquids from the pit.
2. Contact the State office for an inspection of the pit and approval to backfill.
3. Backfill the pit.

Snyder Oil also requests approval to permanently dispose of produced water from the referenced wells, by tanking and then trucking it to Murray Disposal pit located in Section 12, T5S, R19E in LaPoint.

Locations

Stirrup 32-1-J	4304731646	S32-T6S-R21E	ML-40226
Castle Peal 32-16	4301330650	S16-T9S-R16E	ML-16532
Castle Peak 33-16	4301330640	S16-T9S-R16E	ML-16532
State 14-16	4304731417	S16-T7S-R21E	ML-40904
L.C.K. 30-1-H	4304731588	S30-T6S-R21E	080P4986C-689
State 16-1-O	4301331022	S16-T9S-R16E	ML-16532
Parietta Draw 28-44	4304731408	S28-T4S-R1E	FEE



**Accepted by the State
of Utah Division of
Oil, Gas and Mining**

Date: 11-4-97
By: [Signature]

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Senior Clerk DATE 10/24/97

(This space for Federal or State Office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



Snyder Oil Corporation
Southern Region

1200 Smith, Suite 3300
Houston, Texas 77002
713-646-6600

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

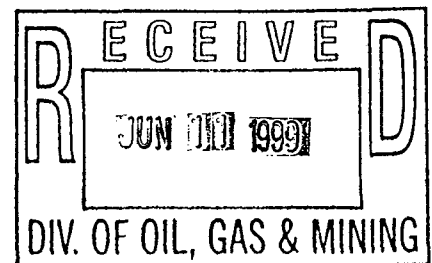
Thank you for your assistance in this matter.

Very truly yours,

A handwritten signature in black ink, appearing to read "Phillip W. Bode".

Phillip W. Bode

Enclosure



Santa Fe Energy Resources, Inc.

June 7, 1999

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

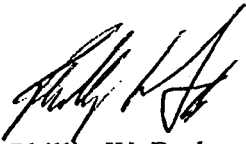
RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

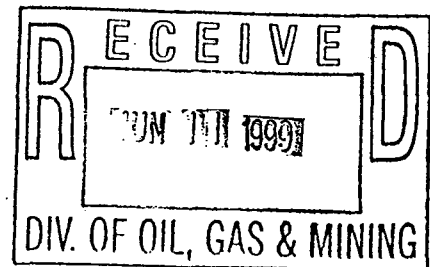
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

Very truly yours,



Phillip W. Bode



Enclosure

Santa Fe Snyder Corporation

July 2, 1999

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger
Surety Bond Number - JZ 7777
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

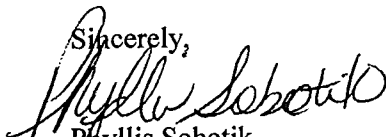
Copy of Merger Certificate
Copy of the Office of the Secretary of State's Acceptance
Sundry Notices for Properties Located on Fee or State Land
Sundry Notice for Federal Properties
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200
Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

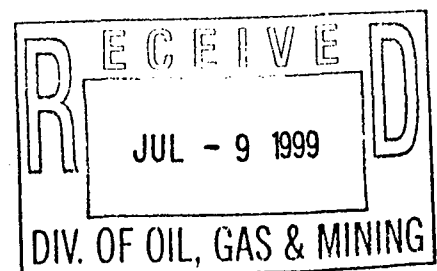
Sincerely,


Phyllis Sobotik
Sr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway
Suite 2200
Denver, Colorado 80202
303/592-8500
Fax 303/592-8600



State of Delaware
Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel", is written over a horizontal line.

Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

CERTIFICATE OF MERGER

Merger of Snyder Oil Corporation, a Delaware corporation
With and Into
Santa Fe Energy Resources, Inc., a Delaware corporation

Pursuant to the provisions of Section 251 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of Snyder Oil Corporation, a Delaware corporation, with and into Santa Fe Energy Resources, Inc., a Delaware corporation, with Santa Fe Energy Resources, Inc. as the surviving corporation (the "Surviving Corporation").

1. The Agreement and Plan of Merger, dated as of January 13, 1999 (the Agreement and Plan of Merger being hereinafter referred to as the "Merger Agreement") has been approved, adopted, certified, executed and acknowledged by Snyder Oil Corporation and Santa Fe Energy Resources, Inc. in accordance with Section 251 of the Delaware General Corporation Law.

2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective immediately upon the filing of this Certificate of Merger

3. The name of the Surviving Corporation shall be Santa Fe Energy Resources, Inc. which shall be changed herewith to Santa Fe Snyder Corporation.

4. Article FIRST of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter referred to as the "Corporation") is Santa Fe Snyder Corporation."

and that the first paragraph of Article FOURTH of the Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc. is amended, effective as of the date hereof, to read in its entirety as follows:

"FOURTH: The total number of shares of all classes of capital stock which the Corporation shall have authority to issue is 350,000,000, of which 50,000,000 shares shall be Preferred Stock, par value \$.01 per share, and 300,000,000 shares shall be Common Stock, par value \$.01 per share."

The Restated Certificate of Incorporation of Santa Fe Energy Resources, Inc., as amended, in effect at the effective time of the Merger shall be the certificate of incorporation of the

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks
Name: David L. Hicks
Title: Vice President — Law and
General Counsel

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil ☐ Gas ☐ Other
Well Well Well

See Attached List

2. Name of Operator

Santa Fe Snyder Corporation

Attn.: Phyllis Sobotik

3. Address and Telephone No.

1625 Broadway, Suite 2200, Denver, CO 80202

303-592-8668

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

See Attached List

5. Lease Designation and Serial No.

See Attached List

6. If Indian, Allottee or Tribe Name

See Attached List

7. If Unit or CA, Agreement Designation

8. Well Name and No.

See Attached List

9. API Well No.

See Attached List

10. Field and Pool, or Exploratory Area

See Attached List

11. County or Parish, State

See Attached List

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

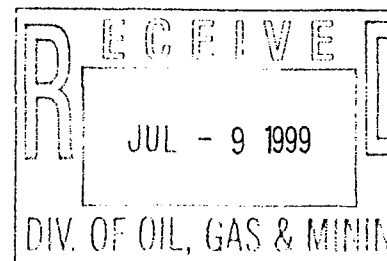
Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger.

A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached.

Nationwide BLM Bond Number - UT-0855

Surety Bond Number - 400JF 5433

Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.



14. I hereby certify that the foregoing is true and correct

Signed

Phyllis Sobotik

Title

Sr. Regulatory Specialist

Date

01-Jul-99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
Horseshoe Bend #4-10			Horseshoe Bend	INA	Uintah	NW/SE	4	7S	22E	U 0136484	FED	43-047-32577	11728
✓ Horseshoe Bend #36-1P			Horseshoe Bend	ACT	Uintah	SE/SE	36	6S	21E	ML 33225	STATE	43-047-31482	9815
Horseshoe Bend Compressor Site			Horseshoe Bend	ACT	Uintah		4	7S	21E				
Jack Rabbit #1-11			Natural Buttes	INA	Uintah	SW/NE	11	10S	23E	U 38425	FED	43-047-30423	1475
✓ L.C.K. #30-1H			Horseshoe Bend	ACT	Uintah	SE/NE	30	6S	21E	N/A	FEE	43-047-31588	10202
Lafkas Federal #1-3			Hill Creek	INA	Uintah	SW/SW	3	11S	20E	U 34350	FED	43-047-31178	1367
Lizzard Creek #1-10			Bitter Creek	ACT	Uintah	NW/NW	10	11S	22E	U 25880	FED	43-047-31482	9870
✓ Lookout Point #1-16			Natural Buttes	ACT	Uintah	NE/SE	16	10S	23E	ML 22186 A	STATE	43-047-30544	1495
Love Unit #1-11	Love		Love	ACT	Uintah	C/SW	11	11S	21E	U 008344 A	FED	43-047-30617	1366
Love Unit #1-12	Love		Love	ACT	Uintah	SW/NW	12	11S	21E	U 008344 A	FED	43-047-30638	1366
Love Unit #4-1	Love		Love	INA	Uintah	NW/SW	4	11S	21E	U 8347	FED	43-047-30640	1366
Love Unit #A1-18	Love		Love	ACT	Uintah	SW/SE	18	11S	21E	U 8348	FED	43-047-30706	1366
Love Unit #B1-10	Love		Love	ACT	Uintah	SE/SW	10	11S	21E	U 8347	FED	43-047-30709	1366
Love Unit #B2-3	Love		Love	INA	Uintah	SW/SW	3	11S	21E	U 8347	FED	43-047-30766	1366
Love Unit Compressor Site			Love	ACT	Uintah			11S	21E				
Madeline #4-3C			Horseshoe Bend	ACT	Uintah	Lot 3	4	7S	21E	U 42469	FED	43-047-32279	11379
McLish #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	ACT	Uintah	SW/SW	8	7S	23E	U 02651	FED	43-047-20280	2760
McLish #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/SE	8	7S	23E	U 02651	FED	43-047-30011	2760
McLish #3			Walker Hollow (Horseshoe Bend)	ACT	Uintah	NE/SE	8	7S	23E	U 02651	FED	43-047-30027	112504
McLish #4	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NE/SW	8	7S	23E	U 02651	FED	43-047-30030	2760
Natural #1-7			Love (Horseshoe Bend)	INA	Uintah	NW/NE	7	11S	21E	U 8345	FED	43-047-30148	6129
No Name Canyon #1-9			Natural Buttes	ACT	Uintah	SE/NE	9	10S	23E	U 37355	FED	43-047-30378	1466
No Name Canyon #2-9			Natural Buttes	ACT	Uintah	NE/NW	8	10S	23E	U 37355	FED	43-047-31504	1468
NSO Federal #1-12			Natural Buttes	ACT	Uintah	NE/NW	12	10S	23E	U 38423	FED	43-047-30560	1480
Pan American #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/NW	9	7S	23E	U 02651 A	FED	43-047-30037	
Pan American #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SW	9	7S	23E	U 02651 A	FED	43-047-30038	2760
Pariette Draw #28-44			Windy Ridge West (Eight Mile Flat N.)	ACT	Uintah	SE/SE	28	4S	1E	N/A	FEE	43-047-31408	4960
Pete's Flat #1-1			Natural Buttes	INA	Uintah	NE/SE	1	10S	23E	U 38423	FED	43-047-30558	1510
Sage Hen #1-6			Natural Buttes	INA	Uintah	NE/SE	6	10S	23E	U 38419	FED	43-047-30382	1490
Sagebrush #1-8			Natural Buttes	TAD	Uintah	SW/NE	8	10S	23E	U 37355	FED	43-047-30383	1467
Shepherd #1-10			Natural Buttes	ACT	Uintah	NE/SE	10	10S	23E	U 38424	FED	43-047-30559	1470
Southman Canyon #1-5 (Federal #1-5)			Natural Buttes	ACT	Uintah	SE/NW	5	10S	23E	U 33433	FED	43-047-30856	10689
Southman Canyon #3			Natural Buttes	WDW	Uintah	NE/SE	15	10S	23E	U 66406	FED	43-047-15880	Saltwater Disposal 99990
Southman Canyon #4-4 (Federal #4-4)			Natural Buttes	INA	Uintah	NW/SE	4	10S	23E	U 33433	FED	43-047-30632	10690
Southman Canyon #4-5			Natural Buttes	ACT	Uintah	NE/SE	5	10S	23E	U 33433	FED	43-047-30633	6131
Southman Canyon #9-3M			Natural Buttes	ACT	Uintah	SW/SW	9	10S	23E	U 37355	FED	43-047-32540	11767
Southman Canyon #9-4J			Natural Buttes	ACT	Uintah	NW/SE	9	10S	23E	U 37355	FED	43-047-32541	11685
Southman Canyon #31-1L			Natural Buttes	ACT	Uintah	SW/	31	9S	23E	U 33433	FED	43-047-32543	11678
✓ State #14-16			Brennan Bottom	ACT	Uintah	SW/SW	16	7S	21E	ML 40904	STATE	43-047-31417	8010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. ML 40904	
2. NAME OF OPERATOR Santa Fe Snyder Corporation		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME	
3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200 Denver, CO 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/SW 695' FWL, 605' FSL		8. FARM OR LEASE NAME State	
14. API NUMBER 43-047-31417		9. WELL NO. #14-16	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4709' GR		10. FIELD AND POOL, OR WILDCAT Brennan Bottom	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 16, T7S-R21E	
		12. COUNTY OR PARISH Uintah	13. STATE Utah

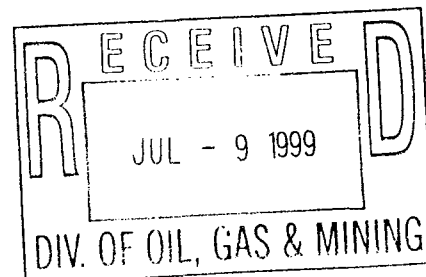
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	Change of Operator <input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However, in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger. A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached.

Surety Bond Number - JZ 7777

New Operator Number - N2000



18. I hereby certify that the foregoing is true and correct
SIGNED Rhonda Sobotek TITLE Sr. Regulatory Specialist DATE 7/1/99
(This space for Federal or State Office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
initial each listed item when completed. Write N/A if item is not applicable.

Routing:	
1-KDR	6-KAS
2-GLH	7-SJ
3-JRB	8-FILE
4-CDW	9- <i>[Signature]</i>
5-KDR	

- ☐ Change of Operator (well sold)
- ☐ Designation of Agent
- ☐ Designation of Operator
- ☒ Operator Name Change Only (MERGER)

The operator of the well(s) listed below has changed, effective: 6-1-99

TO: (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	FROM: (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
	<u>Phone: (307) 383-2800</u>		<u>Phone: (307) 383-2800</u>
	<u>Account no. N2000 (6-24-99)</u>		<u>Account no. N1305</u>

WELL(S) attach additional page if needed: *HORSESHOE BEND, LOVE, EAST BENCH & WALKER HOLLOW UNITS

Name: <u>*SEE ATTACHED*</u>	API: <u>43-097-3417</u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>
Name: <u> </u>	API: <u> </u>	Entity: <u> </u>	S <u> </u>	T <u> </u>	R <u> </u>	Lease: <u> </u>

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 6.11.99)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 6.11.99)*
3. The **Department of Commerce** has been contacted if the **new** operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) If yes, show company file number: #011879
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(Rec'd 7.6.99)*
5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(7.12.99)*
6. **Cardex** file has been updated for each well listed above.
7. Well file labels have been updated for each well listed above. *(new system)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
9. A folder has been set up for the **Operator Change** file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- ☒ 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (yes) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- ☒ 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- ☒ 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
(Rec'd 6.11.99 #J27777)
- ☒ 2. A copy of this form has been placed in the new and former operator's bond files.
- ☒ 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) (yes), as of today's date 6.11.99. If yes, division response was made to this request by letter dated Aug. 12, 1999

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- ☒ 1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- ☒ 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 __, of their responsibility to notify all interest owners of this change.

FILMING

- ☒ 1. All attachments to this form have been **microfilmed**. Today's date: 9-29-99.

FILING

- ☐ 1. Copies of all attachments to this form have been filed in each well file.
- ☐ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

COMMENTS

COPY DOGM SPEED LETTER

To: Ed Bonner

From: Kristen Risbeck

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

MESSAGE

Date 08/11 19 99

Ed,

For your information, attached are copies of documents regarding an operator name change on a state lease(s)

These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by your agency ASAP.

Former Operator: Snyder Oil Corporation

New Operator: Sante Fe Snyder Corporation

Well(s):	API:	Entity:	S-T-R:	Lease:
Alger Pass 1	43-047-31824	10828	02-11S-19E	ML-36213
Archy Bench St. 1-2	43-047-31489	09871	02-11S-22E	ML-22348A
Castle Peak St. 32-16	43-013-30650	00445	16-09S-16E	ML-16532
Castle Peak St. 33-16	43-013-30640	00440	16-09S-16E	ML-16532
Gusher Unit 3	43-047-15590	10341	10-06S-20E	ML-06584
Horseshoe Bend 36-1P	43-047-31482	09815	36-06S-21E	ML-33225
Lookout Point 1-16	43-047-30544	01495	16-10S-23E	ML-22186A
State 14-16	43-047-31417	08010	16-07S-21E	ML-40904
State 16-1-O	43-013-31022	10200	16-09S-16E	ML-16532
State 16-2-N	43-013-31094	10199	16-09S-16E	ML-16532
Stirrup 32-1J	43-047-31646	09614	32-06S-21E	ML-40226
Stirrup St. 32-1	43-047-31557	12323	32-06S-21E	ML-22036
Stirrup St. 32-2	43-047-31626	12323	32-06S-21E	ML-22036
Stirrup St. 32-6	43-047-32784	12323	32-06S-21E	ML-22036
W. Walker St. 1C-32	43-047-30877	02720	32-06S-22E	ML-33526
West Walker St. 2-32	43-047-30878	02721	32-06S-22E	ML-33526

cc: Operator File

Signed Kristen Risbeck

REPLY

Date _____ 19 ____

Signed _____

FORMS\SPEEDLTR

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR: PHONE NUMBER:
8 South 1200 East CITY Vernal STATE Utah ZIP 84078 435-789-4433

4. LOCATION OF WELL
FOOTAGES AT SURFACE: COUNTY: STATE: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE DATE 06-15-01

El Paso Production Oil & Gas Company

NAME (PLEASE PRINT) John T. Elzner TITLE Vice President

SIGNATURE DATE 06-15-01

(This space for State use only)

RECEIVED

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

JUN 4 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

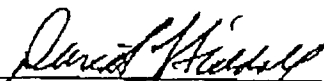
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

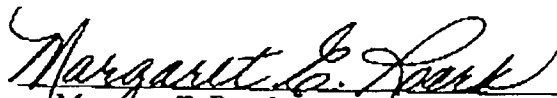
IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION



David L. Siddall
Vice President

Attest:


Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	<input checked="" type="checkbox"/>	5-LP <input checked="" type="checkbox"/>
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X MergerThe operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No.

Unit:

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ST UNIT 2-35A2	43-013-30156	5765	35-01S-02W	STATE	OW	S
STATE 1-8A3	43-013-30286	9114	08-01S-03W	STATE	OW	S
CASTLE PEAK STATE 32-16	43-013-30650	445	16-09S-16E	STATE	OW	P
CASTLE PEAK STATE 33-16	43-013-30640	440	16-09S-16E	STATE	OW	P
STATE 16-1-0	43-013-31022	10200	16-09S-16E	STATE	OW	P
STATE 16-2-N	43-013-31094	10199	16-09S-16E	STATE	OW	P
STATE LND BRD UTE 1-35A (CA 9C-136)	43-047-30182	5520	35-01S-01W	STATE	OW	P
UT ST LND BRD 1-11B1	43-047-30171	5555	11-02S-01W	STATE	OW	P
STATE 1-14B1	43-047-30818	1420	14-02S-01W	STATE	OW	P
STIRRUP 32-1-J	43-047-31646	9614	32-06S-21E	STATE	OW	P
HORSESHOE BEND 36-1-P	43-047-31482	9815	36-06S-21E	STATE	GW	P
W WALKER STATE 1-32	43-047-30877	2720	32-06S-22E	STATE	GW	S
STATE 14-16	43-047-31417	8010	16-07S-21E	STATE	OW	P
WONSITS STATE 1-32	43-047-32820	12842	32-07S-22E	STATE	GW	P
WONSITS STATE 2-32	43-047-32819	12697	32-07S-22E	STATE	GW	P
WONSITS STATE 3-32	43-047-33676	13038	32-07S-22E	STATE	GW	P
WONSITS STATE 4-32	43-047-33677	99999	32-07S-22E	STATE	GW	APD
WONSITS STATE 5-32	43-047-33678	13053	32-07S-22E	STATE	GW	P
WONSITS STATE 6-32	43-047-33679	99999	32-07S-22E	STATE	GW	APD
WONSITS STATE 7-32	43-047-33680	99999	32-07S-22E	STATE	GW	APD

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 07/10/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/10/2001
3. Bond information entered in RBDMS on: 06/20/2001
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 400JU0705

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

1. All attachments to this form have been **MICROFILMED** on: _____

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING		6. Lease Designation and Serial Number ML-40904
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number STATE 14-16
2. Name of Operator EL PASO PRODUCTION OIL & GAS COMPANY		10. API Well Number 43-047-31417
3. Address of Operator P.O. BOX 1148 VERNAL, UT 84078	4. Telephone Number (435) 781-7023	11. Field and Pool, or Wildcat HORSESHOE BEND
5. Location of Well Footage : 605' FSL & 695' FWL County : UINTAH QQ, Sec, T., R., M : SWSW SEC. 16, T7S, R21E State : UTAH		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> Other <u>VARIANCE</u></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>VARIANCE</u>		<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table border="0" style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Other _____</td> </tr> </table> <p>Date of Work Completion _____</p> <p>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.</p> <p>* Must be accompanied by a cement verification report.</p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input type="checkbox"/> Other _____																											

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

OPERATOR REQUESTS THAT A VARIANCE BE GRANTED FOR ONSORE OIL AND GAS ORDER NO. 5, SEC. III C.1, C.2, AND C.4 OF THIS ORDER.

THE SUBJECT WELL PRODUCES LESS THAN 100 MCF/DAY ON A MONTHLY BASIS AND OPERATOR REQUESTS THAT SEMI-ANNUAL CALLIBRATION BE CONDUCTED DUE TO THE LOW GAS VOLUME(S).

THE AVERAGE DAILY VOLUME FOR THIS WELL IS APPROXIMATELY 4.3 MCF/DAY.

RECEIVED

JAN 21 2003

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.

Name & Signature	CHERYL CAMERON 	Title	OPERATIONS	Date	01/17/03
------------------	--	-------	------------	------	----------

(State Use Only) **APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

COPY SENT TO OPERATOR
Date: 1-22-03
Initials: CHD

(8/90)

DATE: 1/24/03

BY:

See instructions on Reverse Side

JAN. 17. 2003 3:34PM

PORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

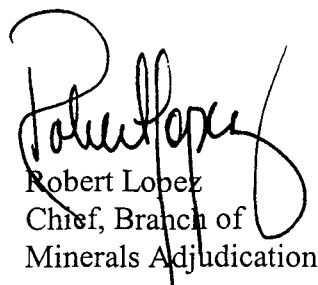
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

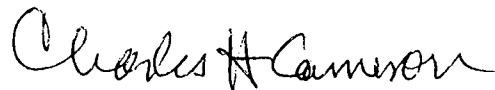
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

9 Greenway Plaza

CITY Houston

STATE TX

ZIP 77064-0995

PHONE NUMBER:

(832) 676-5933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: _____

Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT)

David R. Dix

TITLE

Agent and Attorney-in-Fact

SIGNATURE

DATE

12/17/02

(This space for State use only)

Form 3160-5
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.

SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SEE ATTACHED EXHIBIT "A"

9. API Well No.

SEE ATTACHED EXHIBIT "A"

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other |
| <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

SUCCESSOR OF
OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed when testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

CHERYL CAMERON

Title

OPERATIONS

Signature

Date

March 4, 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
HORSESHOE BEND 36-1-P	36-06S-21E	43-047-31482	9815	STATE	GW	P
BASER FEDERAL 1-31	31-06S-22E	43-047-30831	2710	FEDERAL	GW	P
BASER FEDERAL 2-31 (CR-179)	31-06S-22E	43-047-30880	2710	FEDERAL	GW	P
W WALKER STATE 1-33	32-06S-22E	43-047-30877	2720	STATE	GW	PA
W WALKER STATE 2-33	32-06S-22E	43-047-30878	2721	STATE	GW	PA
W WALKER FED 1-33 (CR-106)	33-06S-22E	43-047-30815	2715	FEDERAL	GW	P
HORSESHOE BEND 2	03-07S-21E	43-047-15800	11628	FEDERAL	OW	S
HORSESHOE BEND FED 3-1	03-07S-21E	43-047-33831	13146	FEDERAL	GW	S
HORSESHOE BEND 4	03-07S-21E	43-047-15802	1315	FEDERAL	OW	PA
MADLINE 4-3-C	04-07S-21E	43-047-32279	11379	FEDERAL	OW	PA
FEDERAL 4-1-D (UTU-68634)	04-07S-21E	43-047-31693	10196	FEDERAL	OW	P
FEDERAL 4-2-F	04-07S-21E	43-047-31853	10933	FEDERAL	OW	P
HORSESHOE BEND FED 4-1	04-07S-21E	43-047-33832	13147	FEDERAL	GW	P
FEDERAL 5-5-H	05-07S-21E	43-047-31903	11138	FEDERAL	OW	P
COORS FEDERAL 2-10HB	10-07S-21E	43-047-32009	11255	FEDERAL	GW	S
HORSESHOE BEND FED 11-1	11-07S-21E	43-047-33833	13126	FEDERAL	GW	P
COORS 14-1-D	14-07S-21E	43-047-31304	11193	FEDERAL	GW	S
STATE 14-16	16-07S-21E	43-047-31417	8010	STATE	OW	P
FED MILLER 1	04-07S-22E	43-047-30034	2750	FEDERAL	GW	P
HORSESHOE BEND 4-10	04-07S-22E	43-047-32577	11728	STATE	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted contacted on: _____

6. (R649-9-2) Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 03/25/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/25/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number ML-40904
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		9. Well Name and Number STATE 14-16
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		10. API Well Number 43-047-31417
3. Address of Operator P.O. BOX 1148, VERNAL, UTAH 84078	4. Telephone Number (435)781-7060	11. Field and Pool, or Wildcat BENNAN BOTTOMS
5. Location of Well Footage : 695' FWL 605' FSL County : UINTAH QQ, Sec, T., R., M : SWSW SEC 16-T7S-R21E State : UTAH		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT

(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT

(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input checked="" type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion 9/26/03

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

9/23/03- PMP 100 BBLS 2% KCL DN CSG @ 250'. F UNSEAT PMP. FLUSH TBG W/ 50 BBLS KCL. TOTAL 180 BBLS KCL PMP'D.

9/24/03- PMP 87 BBLS KCL TOTAL.

9/26/03- FILL TBG W/ 16 BBLS KCL.

14. I hereby certify that the foregoing is true and correct.

Name & Signature DEBRA DOMENICI *Debra Domenici* Title SR ADMIN ASSIST Date 10/03/03

(State Use Only)

RECEIVED

OCT 08 2003

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number MULTIPLE WELLS- SEE ATTACHED
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement MULTIPLE WELLS- SEE ATTACHED
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		9. Well Name and Number MULTIPLE WELLS- SEE ATTACHED
3. Address of Operator 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078		10. API Well Number MULTIPLE WELLS- SEE ATTACHED
4. Telephone Number 435-781-7060		11. Field and Pool, or Wildcat MULTIPLE WELLS- SEE ATTACHED
5. Location of Well Footage : MULTIPLE WELLS- SEE ATTACHED County : UINTAH QQ, Sec, T., R., M : MULTIPLE WELLS- SEE ATTACHED State : UTAH		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>VARIANCE</u>	

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Debra Domenici Title Environmental Assistant Date 07/12/04

(State Use Only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
 Action Is Necessary

Date: 7/15/04

By: [Signature]

See Instructions on Reverse Side

COPY SENT TO OPERATOR

Date: 7-16-04

Initials: CHD

RECEIVED

JUL 14 2004

DIV. OF OIL, GAS & MINING

Westport Oil & Gas, L.P. Project Economics Worksheet

Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? ☐ N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULLING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$ / HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

Project Life:

Life = 20.0 Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR = #DIV/0!

AT Cum Cashflow:

Operating Cashflow = (\$2,917) (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

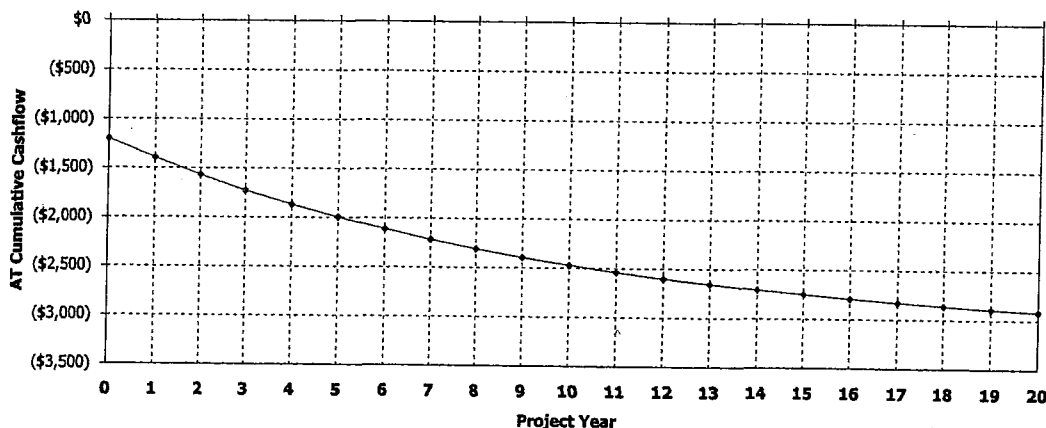
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STF LEASE NO	CA NUMBER	API NO
ARCHY BENCH STATE 1-2	NENE SEC 2, T11S, R22E	ML22348A		4304731489
BAYLESS STATE 02-01	SWSE SEC 2, T9S, R20E	ML47044		4304734540
BONANZA 1023-2A	NENE SEC. 2, T10S, R23E	ML47062		4304735347
BONANZA 1023-2C	NENW SEC. 2, T10S, R23E	ML47062		4304735346
BONANZA 1023-2E	SWNW SEC. 2, T10S, R23E	ML47062		4304735345
KENNEDY WASH STATE 16-1	NWNW SEC 16, T8S, R23E	ML47212		4304733589
MORGAN STATE 01-36	SENE SEC 36, T9S, R21E	ML22265		4304730600
MORGAN STATE 02-36	NWNE SEC 36, T9S, R21E	ML22265		4304732585
MORGAN STATE 03-36	NWNE SEC 36, T9S, R21E	ML22265		4304732589
MORGAN STATE 04-36	NWSW SEC 36, T9S, R21E	ML22265		4304732729
MORGAN STATE 05-36	NWSE SEC 36, T9S, R21E	ML22265		4304732735
MORGAN STATE 06-36	SWNW SEC 36, T9S, R21E	ML22265		4304732810
MORGAN STATE 07-36	NENW SEC 36, T9S, R21E	ML22265		4304732811
MORGAN STATE 08-36	NENE SEC 36, T9S, R21E	ML22265		4304732812
MORGAN STATE 09-36	SWNE SEC 36, T9S, R21E	ML22265		4304732815
MORGAN STATE 10-36	SENE SEC 36, T9S, R21E	ML22265		4304732816
MORGAN STATE 11-36	NESW SEC 36, T9S, R21E	ML22265		4304732813
MORGAN STATE 12-36	NESE SEC 36, T9S, R21E	ML22265		4304732814
MORGAN STATE 13-36	SESE SEC 36, T9S, R21E	ML22265		4304732817
MORGAN STATE 14-36	SWSW SEC 36, T9S, R21E	ML22265		4304733092
MORGAN STATE 15-36	SESW SEC 36, T9S, R21E	ML22265		4304733094
MORGAN STATE 16-36	SWSE SEC 36, T9S, R21E	ML22265		4304733093
STATE 01-32	NESW SEC 32, T10S, R22E	ML22798	891008900A	4304734317
STATE 02-32	SESW SEC 32, T10S, R22E	ML22798		4304734831
STATE 03-32	NWSW SEC 32, T10S, R22E	ML22798		4304734832
STATE 1022-32A	NENE SEC. 32, T10S, R22E	ML22798		4304735096
STATE 1022-32J	NWSE SEC 32, T10S, R22E	ML22798		4304735095
STATE 1022-32M	SWSW SEC 32, T10S, R22E	ML-22798		
STATE 1022-32O	SWSE SEC. 32, T10S, R22E	ML22798		4304735315
STATE 11-36	NESW SEC 36, T8S, R21E	ML22051	9C-205	4304734505
STATE 14-16	SWSW SEC 16, T7S, R21E	ML40904		4304731417
STATE 31-32	SESE SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304730906
STATE 32-21	NESE SEC 32, T8S, R21E	ML22052	9C-204	4304730754
STIRRUP STATE 32-1	NWNE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731557
STIRRUP STATE 32-1-J	NWSE SEC 32, T6S, R21E	ML40226		4304731646
STIRRUP STATE 32-2	SENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304731626
STIRRUP STATE 32-6 SWD	NENE SEC 32, T6S, R21E	ML22036	UTU76783X	4304732784
UTE TRIBAL 31-060	NESW SEC 31, T8S, R22E	ML28048	VR49I-84688C	4304733340
WONSITS STATE 01-32	SWNE SEC 32, T7S, R22E	ML47780		4304732820
WONSITS STATE 02-32	SWSE SEC 32, T7S, R22E	ML47780		4304732819
WONSITS STATE 05-32	SENE SEC 32, T7S, R22E	ML47780		4304733678
WONSITS STATE 09-32	NESW SEC 32, T7S, R22E	ML47780		4304734060

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

UT ST ML 40904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

State 14-16

9. API NUMBER:

4304731417

10. FIELD AND POOL, OR WILDCAT:

Brennan Bottom

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

2. NAME OF OPERATOR:

Westport Oil and Gas Company, L.P.

N 2315

3. ADDRESS OF OPERATOR:

1670 Broadway, Suite 2800 CITY Denver

STATE CO

ZIP 80202

PHONE NUMBER:

(303) 573-5404

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 16 7S 21E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:

8/1/2005

☐ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Westport has sold its interest in the above well and proposes to transfer operatorship to Summit Operating, LLC, located at PO Box 683909, Park City, UT 84068-3909, effective 8-1-05. Summit agrees to assume operatorship under blanket bond #N2315.

Agreed to this 28th day of July, 2005, but effective for all purposes 8-1-05.



Greg Schmidt

Agent for Summit Operating, LLC

N 2315

NAME (PLEASE PRINT)

DAVID R. DIX

TITLE

ATTORNEY-IN-FACT

SIGNATURE



DATE

7/28/05

(This space for State use only)

APPROVED

8/15/05

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED

AUG 01 2005

DIV. OF OIL, GAS & MINING

(5/2000)

3. FILE

Designation of Agent/Operator

Merger

8/1/2005

Phone: 1-(435) 940-9001

Unit:

[illegible]

summit operating 2 FORM 4A.xls 8/15/2005

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 8/15/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 8/15/2005
3. Bond information entered in RBDMS on: 8/15/2005
4. Fee/State wells attached to bond in RBDMS on: 8/15/2005
5. Injection Projects to new operator in RBDMS on: 8/15/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: n/a

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number ZSB800622
2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:

Various

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Various

9. API NUMBER:

Various

10. FIELD AND POOL, OR WILDCAT:

Horseshoe Bend

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

Summit Operating, LLC

3. ADDRESS OF OPERATOR:

PO Box 683909

CITY Park City

STATE UT

ZIP 84068-3909

PHONE NUMBER:

(435) 940-9001

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION



NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will start:



SUBSEQUENT REPORT
(Submit Original Form Only)

Date of work completion:



ACIDIZE



ALTER CASING



CASING REPAIR



CHANGE TO PREVIOUS PLANS



CHANGE TUBING



CHANGE WELL NAME



CHANGE WELL STATUS



COMMINGLE PRODUCING FORMATIONS



CONVERT WELL TYPE



DEEPEN



FRACTURE TREAT



NEW CONSTRUCTION



OPERATOR CHANGE



PLUG AND ABANDON



PLUG BACK



PRODUCTION (START/RESUME)



RECLAMATION OF WELL SITE



RECOMPLETE - DIFFERENT FORMATION



REPERFORATE CURRENT FORMATION



SIDETRACK TO REPAIR WELL



TEMPORARILY ABANDON



TUBING REPAIR



VENT OR FLARE



WATER DISPOSAL



WATER SHUT-OFF



OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Summit operates the following wells that presently have produced water hauled to Dalbo's Glen Bench Disposal Facility:

Federal 33-3-J: NWSE 33-6S-21E, API #43-047-31804

Federal 33-6-F: SENW 33-6S-21E, API #43-047-31769

Federal 33-7-L: NWSW 33-6S-21E, API #43-047-31844

Federal 33-8-N: SESW 33-6S-21E, API #43-047-31787

State 14-16: SWSW 16-7S-21E, API #43-047-31417

The wells presently produced a combined amount of 25 BWPD. All wells produce from the Green River formation and water analyses are attached.

Newfield Production Company (successor operator to Westport O&G) operates a Green River injection well named Stirrup State 32-6, located in NENE 32-6S-21E, 1/2 to 3 miles from Summit's wells. Newfield has agreed to use our production water as a source for their injection well.

We request permission to dispose of our produced water into Newfield's injection well. This would greatly reduce the time and expense of hauling water and improve the economic viability of our wells. The wells produce and inject into the same formation.

NAME (PLEASE PRINT) Greg Schmidt

TITLE Agent for Summit Operating, LLC

SIGNATURE

DATE

10/19/2005

(This space for State use only)

COPY SENT TO OPERATOR
DATE: 11-3-05
INITIALS: CHD
(5/2000)

Accepted by the
Utah Division of
Oil, Gas and Mining

Date:

By:

(See instructions on Reverse Side)

RECEIVED

OCT 21 2005

DIV. OF OIL, GAS & MINING

Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : State 14-16	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	90.3	2.31
Sodium	9,621.0	418.49
Calcium	240.0	11.98
Magnesium	73.2	6.02
Iron	5.8	0.21
Barium	225.0	3.28
Strontium	0.0	0.00
SUM +	10,255.3	442.29

Solids

Total Dissolved Solids @180°C	25,780 mg/l
Total Solids, Calc less CO ₂	25,782 mg/l
Total Solids, Calculated	26,257 mg/l
Total Solids, NaCl equivalents	25,316 mg/l
Chloride as NaCl	24,458 mg/l
NaCl% of Total Dissolved Solids	94.86 %
Accuracy	0.00 Sigma

Dissolved Gases

Bisulfide ion, HS ⁻	2.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	3.0 mg/l

Other Properties

Calcium Hardness as CaCO ₃	599.2 mg/l
Magnesium Hardness as CaCO ₃	301.8 mg/l
Total Hardness as CaCO ₃	901.0 mg/l
Hardness, grains	52.47 grains/gallon

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

ANIONS	mg/l	meq/l
Sulfate	100.0	2.08
Chloride	15,110.0	426.20
Carbonate	60.0	2.00
Bicarbonate	732.0	12.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	16,002.0	442.28

Sample Conditions

pH, s.u. (Field)	8.30 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.60 %
pH, s.u. (from CO ₂)	8.26 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.467 μ

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.280 ohm-cm
Conductivity 25°C	35,715 μmhos/cm

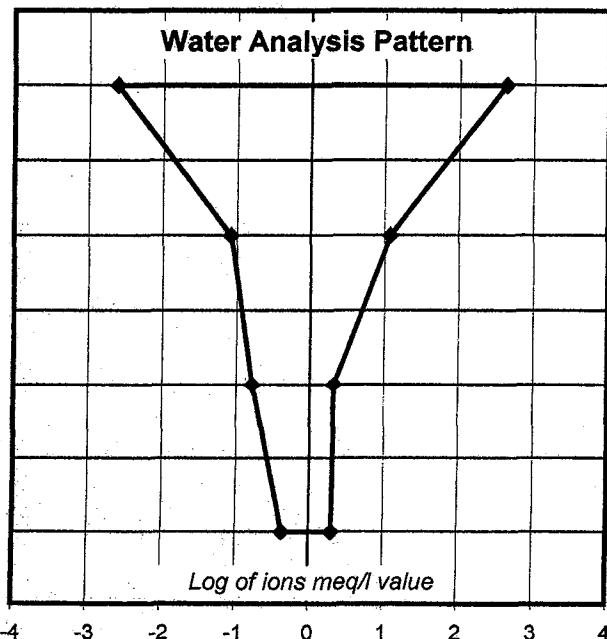
Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -

Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	24,457.6
Ca(HCO ₃) ₂	956.5
MgCl ₂	286.8
BaSO ₄	243.0
KCl	113.0
CaCl ₂	9.6



Note: nd denotes 'Not Determined'
 Analyzed by: Creg Wilkins
 Approved:
 04/10/00 v940MDCarney

Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-3-J	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	87.9	2.25
Sodium	10,004.0	435.15
Calcium	81.3	4.06
Magnesium	23.7	1.95
Iron	0.5	0.02
Barium	125.0	1.82
Strontium	0.0	0.00
SUM +	10,322.4	445.25

ANIONS	mg/l	meq/l
Sulfate	50.0	1.04
Chloride	15,040.0	424.22
Carbonate	60.0	2.00
Bicarbonate	1,098.0	18.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	16,248.0	445.26

Solids

Total Dissolved Solids @180°C	25,875 mg/l
Total Solids, Calc less CO ₂	25,876 mg/l
Total Solids, Calculated	26,570 mg/l
Total Solids, NaCl equivalents	25,609 mg/l
Chloride as NaCl	24,793 mg/l
NaCl% of Total Dissolved Solids	95.64 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.30 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.80 %
pH, s.u. (from CO ₂)	8.30 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.463 μ

Dissolved Gases

Bisulfide Ion, HS ⁻	2.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	3.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	4.9 mg/l

Other Properties

Calcium Hardness as CaCO ₃	203.0 mg/l
Magnesium Hardness as CaCO ₃	98.0 mg/l
Total Hardness as CaCO ₃	301.0 mg/l
Hardness, grains	17.53 grains/gallon

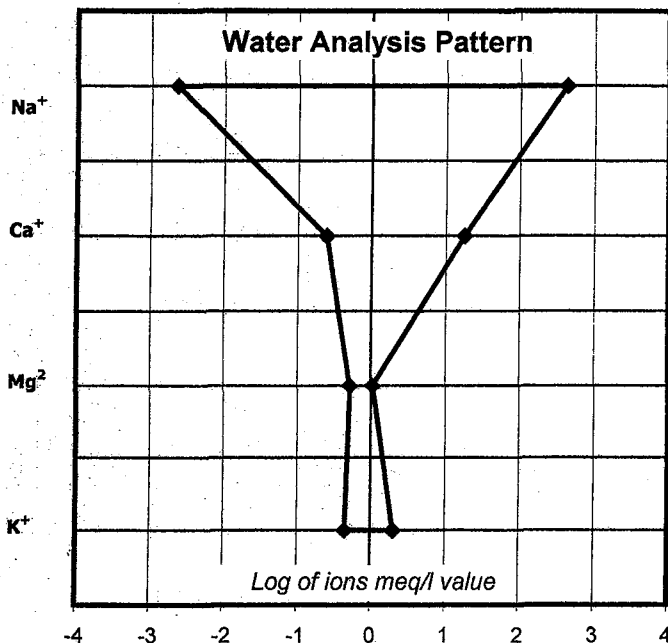
Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.280 ohm-cm
Conductivity 25°C	35,715 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	24,747.6
NaHCO ₃	982.5
Ca(HCO ₃) ₂	328.8
Mg(HCO ₃) ₂	142.7
BaSO ₄	121.5
KCl	57.8

Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney

Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-6-F	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	94.3	2.41
Sodium	9,459.0	411.44
Calcium	84.6	4.22
Magnesium	28.4	2.34
Iron	1.0	0.04
Barium	105.0	1.53
Strontium	0.0	0.00
SUM +	9,772.3	421.98

Solids

Total Dissolved Solids @180°C	24,485 mg/l
Total Solids, Calc less CO ₂	24,486 mg/l
Total Solids, Calculated	25,143 mg/l
Total Solids, NaCl equivalents	24,254 mg/l
Chloride as NaCl	23,392 mg/l
NaCl% of Total Dissolved Solids	95.53 %
Accuracy	0.01 Sigma

Dissolved Gases

Bisulfide Ion, HS ⁻	4.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	5.0 mg/l

Other Properties

Calcium Hardness as CaCO ₃	211.2 mg/l
Magnesium Hardness as CaCO ₃	116.8 mg/l
Total Hardness as CaCO ₃	328.0 mg/l
Hardness, grains	19.10 grains/gallon

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

ANIONS	mg/l	meq/l
Sulfate	85.0	1.77
Chloride	14,190.0	400.25
Carbonate	120.0	4.00
Bicarbonate	976.0	16.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	15,371.0	422.02

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.60 %
pH, s.u. (from CO ₂)	8.40 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.440 μ

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Specific Gravity	1.017 measured
Specific Gravity	1.017 calculated
Resistivity, 68°F	0.290 ohm-cm
Conductivity 25°C	34,485 μmhos/cm

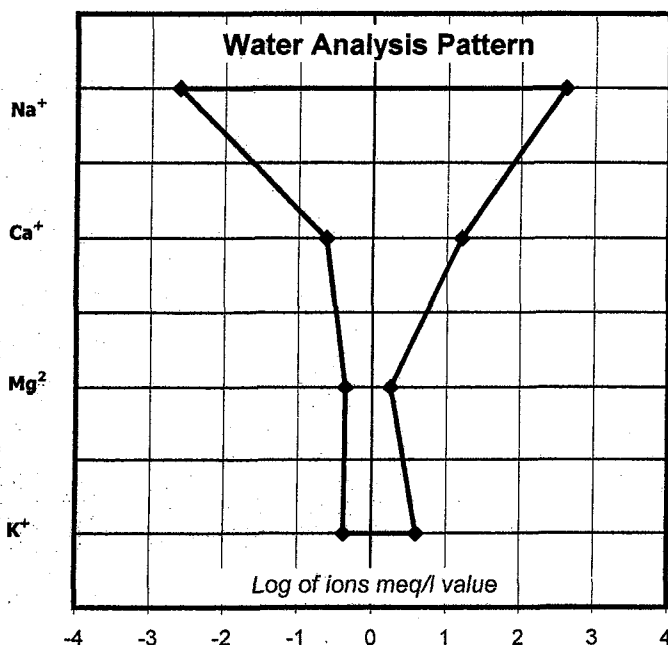
Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -

Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	23,391.7
NaHCO ₃	771.0
Ca(HCO ₃) ₂	342.1
BaSO ₄	178.5
Mg(HCO ₃) ₂	171.0
Na ₂ SO ₄	17.1



Note: nd denotes 'Not Determined'
 Analyzed by: Creg Wilkins
 Approved:
 04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-7-L	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	59.4	1.52
Sodium	9,650.0	419.75
Calcium	83.9	4.19
Magnesium	29.1	2.39
Iron	1.4	0.05
Barium	200.0	2.91
Strontium	0.0	0.00
SUM +	10,023.8	430.81

ANIONS	mg/l	meq/l
Sulfate	975.0	20.30
Chloride	13,810.0	389.53
Carbonate	120.0	4.00
Bicarbonate	1,037.0	17.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	15,942.0	430.83

Solids

Total Dissolved Solids @180°C	25,270 mg/l
Total Solids, Calc less CO ₂	25,272 mg/l
Total Solids, Calculated	25,966 mg/l
Total Solids, NaCl equivalents	24,532 mg/l
Chloride as NaCl	22,765 mg/l
NaCl% of Total Dissolved Solids	90.08 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ Gas	0.60 %
pH, s.u. (from CO ₂)	8.42 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.459 μ

Dissolved Gases

Bisulfide ion, HS ⁻	2.9 mg/l
Hydrogen Sulfide, H ₂ S	0.1 mg/l
Total Sulfide	3.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Other Properties

Calcium Hardness as CaCO ₃	209.5 mg/l
Magnesium Hardness as CaCO ₃	119.5 mg/l
Total Hardness as CaCO ₃	329.0 mg/l
Hardness, grains	19.16 grains/gallon

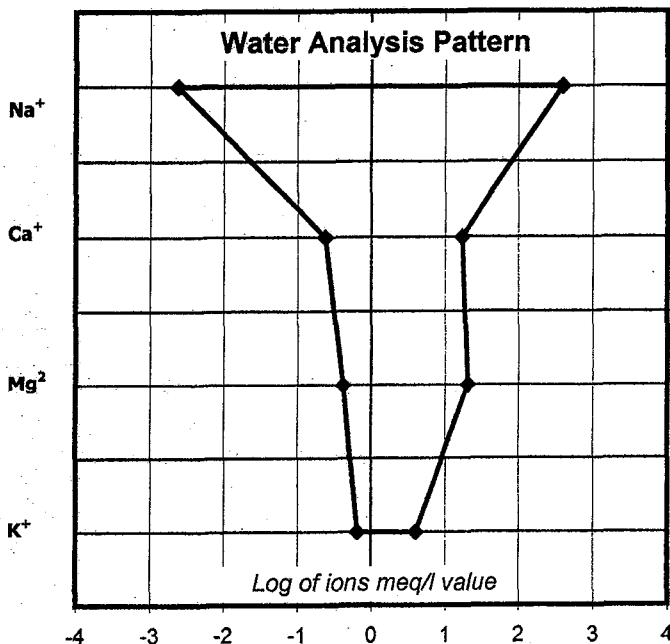
Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.300 ohm-cm
Conductivity 25°C	33,335 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	22,765.3
Na ₂ SO ₄	1,234.8
NaHCO ₃	851.7
BaSO ₄	339.9
Ca(HCO ₃) ₂	339.3
Mg(HCO ₃) ₂	175.2

Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-8-N	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	48.9	1.25
Sodium	10,557.0	459.20
Calcium	160.0	7.98
Magnesium	49.5	4.07
Iron	2.3	0.08
Barium	150.0	2.18
Strontium	0.0	0.00
SUM +	10,967.7	474.76

ANIONS	mg/l	meq/l
Sulfate	225.0	4.68
Chloride	16,240.0	458.07
Carbonate	60.0	2.00
Bicarbonate	610.0	10.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	17,135.0	474.75

Solids

Total Dissolved Solids @180°C	27,700 mg/l
Total Solids, Calc less CO ₂	27,701 mg/l
Total Solids, Calculated	28,103 mg/l
Total Solids, NaCl equivalents	27,350 mg/l
Chloride as NaCl	26,771 mg/l
NaCl% of Total Dissolved Solids	96.64 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.40 %
pH, s.u. (from CO ₂)	8.36 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.499 μ

Dissolved Gases

Bisulfide ion, HS ⁻	4.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	5.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	2.4 mg/l

Other Properties

Calcium Hardness as CaCO ₃	399.5 mg/l
Magnesium Hardness as CaCO ₃	203.5 mg/l
Total Hardness as CaCO ₃	603.0 mg/l
Hardness, grains	35.11 grains/gallon

Specific Gravity	1.020 measured
Specific Gravity	1.020 calculated
Resistivity, 68°F	0.260 ohm-cm
Conductivity 25°C	38,460 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

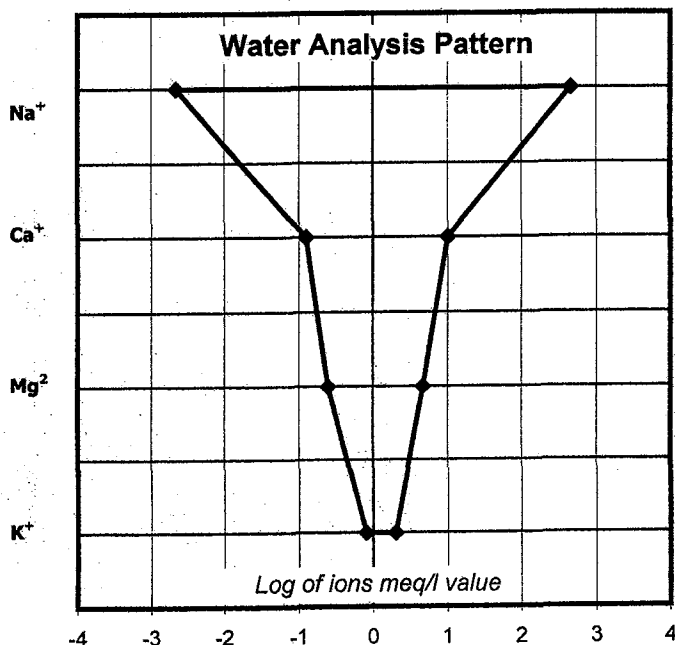
Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -

Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	26,771.1
Ca(HCO ₃) ₂	647.0
BaSO ₄	254.9
Mg(HCO ₃) ₂	135.5
MgSO ₄	133.7
Na ₂ SO ₄	19.8



Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney